```
tgatttacat tctcccccctt tctcaagaaa attcttaatt cttcttgaca tcatcaaaat    60

cttcatgatt tacaaaaaat tttagaaagc ttttggcaaa ggaagaagaa gttcaaagag   120

attcaaggat tgtaaaggat tgtaataatt gttcttaaaa tgcaagttaa ggtcttgctt   180

ttatagactc ttcatgtctg gtcaagagaa ccattacaag agttataacc tttacaaaaa   240

cttgaaaacc attggaaaag ttataacttt tagaaaaact taaaaaccat tggaagagtt   300

acatcttttg attttttgtt cacaacttat cactagtaat cgattaccaa atcattgtaa   360

tcgattacac aaagcttttt tgcgacagga tgtgactctt aacaattgga tttgaatttc   420

aaca                                                                 424
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<210>   16685
<211>   396
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16685

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agcttgtctc agcgtttatg cgagacagag accaacatgt tagtcatcat cagcaagtac    60

caagaagaat taaatctagc catggcccac gagcacaaag tggcggacga gtatgctcga   120

gtgtacgcgg aaaaggaggc tagaggaaag gtgatcgact tgttacatca agaggcaaca   180

atgtggatgg accgatttgt tcttactttg aacgagagtg aagaacttcc ccgattgctg   240

gccaaggcaa aagcaatggt ggacacctac tccgcccccg aggagatcca caacttctc   300

agctattgtc agcatatgat agatctaatc gcccatataa ttaggaaccg ctaggaagtt   360

tgtattatca ctcanatctt gactagttat aacttt                             396
```

<210>   16686
<211>   426
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16686

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ttgtcagatt gattgtgaag gaatgcatta acagtatccc ggtgagagtg tggtccttaa   120

attttgagat aaatgactat catttagtac tgattttgt gtgaatctct gaagtatgga    180
```

```
ctgaatgcat gaaattgagg atgatgaagg ccatgtttga ttgtgatagg aacttagcca    240

aaaagctgac cacgtgcgtg aatgatgtat cctttgcacc tagtttgagc ttaatgaatt    300

attgattgat tgaagcctga gcctacagtg ttatctcctg ctaccttgac ttangttgta    360

ggagagcatc atccacagga agcgcgattc anagcaaatt tgtcccaaat tttggggagt    420

aattat                                                               426
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<210>      16687
<211>      388
<212>      DNA
<213>      Glycine max

<400>      16687

agctttctgt aatcttttgc aggttttttat aagattttga aagaatagat gagttcgaat     60

aaagttcatt ataggcttgt tttggagatt cacagtcatt gcaatctacc tcatcctctt    120

gatctaattt agattctttta aaggctgtgt ccgccatcat acatatgttg tttacaactt    180

ttgatatcat ggttggggtc agggaaccca attatgggga tgtatgtttt gccctgtgca    240

tgctggtttt caagaaaaac tgtgttctta actaatggga tgtgatatat ttgttattga    300

tgtgcatgct ggttttcaag aaaaactcat gttttaacta atgggatgtg ataggtttgg    360

tattgatgat tgaaattgtc aatgatgt                                       388
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<210>      16688
<211>      334
<212>      DNA
<213>      Glycine max

<400>      16688

tccaagaatc aagatcaaga ttcaagactt acgattttag aatctagaga tgactcaatc     60

aagagaaggg ttaaaaagtt ttttcaaaaa ctgagtagca catgaatttt tcttgtcgca    120

acatgccctt ttgcgggcga gcgaggcgag gctcatgggt gtgctttcca aaggaggaaa    180

gatgcgcaga gtcaccacca acgtttattt gtgggaaacg tcagaaaaac cgaaggaaac    240

cggtcaaaat gaaaattcta agttccggag ttggattcac gtttgaggaa ggtattagca    300

cctctcacgt ttgtctcaaa ggacaacaac ctat                                334
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7002

<210>   16689
<211>   393
<212>   DNA
<213>   Glycine max

<400>   16689

agcttttacc tttcatttta acccttagaa cttctcggcc aacaatgtca tagataaaga   60

aatgttgatg ttcaaaggac actttaaatc cctttttaat caactgacct acacttagca   120

agttttggtc aatgttaggt acataaagaa catctgatat tagtttgata cctgaacacg   180

ttgaaattgc aacaattcct tttccttta ctggaatata gccaccattc ccaattttga   240

cctttgagac attagttggc ttcaaatcct tgaatagagt cttatcatat gtcatgtggt   300

tcgtacaacc actaccaatc aaccaacttt cacttgattc actactcaag aagcatgtgg   360

ccacaaacag ttggtcctcc tcgtcttgat tag   393

<210>   16690
<211>   427
<212>   DNA
<213>   Glycine max

<400>   16690

tgatttgtga gttgatttta gctttagttt cactttggtt attagttaat tcattcaagg   60

aaactttcaa agaaaaaatg tccgattaat ttttcttgat tatttatta ttttttttca   120

agatatttta attattttat tattattttg ctttttttgg tttaactgag gttatagcgt   180

gaacgatcgg ttagattttg ttttaacagt gattaaacga gattacaaca caaatgatcg   240

gttgaaattc attttatcat ttattaggtg agaaaatggc ttaaataaac ggtcaaaagc   300

tcgtgaaagc agaagaaag aaaactgaaa gtaagcaaaa ttaaagtgaa agtacacaaa   360

acaagtaggg accactaagg gtgcatagaa tgaattgaaa gattcgattt cgggaactta   420

ccgattg   427

<210>   16691
<211>   384
<212>   DNA
<213>   Glycine max

<400>   16691

agcttcttga tagggcccaa actccactcc aaaatctgac ttcaggctta aataggtcgc   60

tttgtttgtg cttgtgtgct tagcgcaatt ttgaaccgct tagcgctcat taatggattt   120

tagcttagcg tgtgctttttc tcgcttatcg gatggactga agcggtgcgc ttcgctggat   180

gaccctttgc ttagcacaaa tgcacaactc atccttcttc tagattcttc ctcgcgctta   240

gtcgaggagt gttgtgctca gtggatggct cgctaagcct gcaaattggc ttaaccatag   300

ggtgaaaata agcacttcac aaacttgcct aattaacctg atattgagaa aaaatgatta   360

ttaaacacac tgaatggaca tact   384

<210>   16692
<211>   432
<212>   DNA
<213>   Glycine max

<400>   16692

ctcacgcttc atgcttaact atgtatggca aaacttcatt attgttgttc atgacataca   60

agtgagcttg taacagatct tctacacttg gagtgatcac atgcagtcct tttgaaccct   120

taccacccac tttgtcatca tgccgagact caggaagccc aacaggttta gccttctcta   180

agtattctga acaaaattca atggcttctt ctgcaatgta cctctcaaca atagatgctt   240

ctggacgata tagattcttt gtatacccctt ttaagatctt catgtatcgc tcaatcgggt   300

acatccaccg tagataaaca ggaccacaac atttgatttc tctgaccaga tgcacaatca   360

agtgaatcat gatgtcaaag aaagcagggg gaaaatacat ctccaactga cacattataa   420

ttgcggcctc at   432

<210>   16693
<211>   394
<212>   DNA
<213>   Glycine max

<400>   16693

tatctttgca gatttggtct tcgccagtga aaggatcgat gtgggtccga aaagaggcaa   60

atttgatcat cctactagga cgactgagaa aactggggca aatgaagagg gtgagaaaga   120

gggagaaacc catgctgtga ctgccattcc tatacggcca agtttcccac caaacccaac   180

aatgtcatta ctcagtcaat aacaaacctc ctccttaccc accacccagt tatccacgaa   240

ggccatccct aaatcaacca caaagcctgt ctaccgcact tccaatgacg aagaccacct   300

ttagcacaaa ccaaaaaaaa aacaccaacc atgaactgaa ttgtgcagcg agaaagcctg   360

tagaattcac cccaattcca gtggcctatg ctga   394

<210>   16694
<211>   422
<212>   DNA
<213>   Glycine max

<400>   16694

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ggtacctgga gatatgtcac gggggtcagg agaccttggg gacgtcaggt ggggtgctat   120

tgcccaaaac caagcttgac caatcccgac ccaccccgag catagtcggt cagtgagaac   180

ctgtgatgta cctaaacagg cgagctcctg gcagtcaaca gataaaagga acaaagacca   240

caaagcaagg aggtttgtgg tggctggcca gctctgaaac ttgattgata tgtgagatat   300

ggtctctggt aatcgattac caagggtggg taatcgatta caaggcttaa caatgaagat   360

aggaggctaa gatggtctct ggtaatcgat taccacgggg tgtaatccat taccaggctt   420

ga   422

<210>   16695
<211>   393
<212>   DNA
<213>   Glycine max

<400>   16695

ttgctttttc cttattcctc aaagaaaagg ccaacgtatt tgcatggaag ccggtggata   60

tgttgagcat agatccaaac tttttctgtc ataagttgat agtaaaccct ttagtgaaac   120

ctgtgtgtca aagaaggagg aaaatgactc tcgaatgcct agaggaaatt gaaaggcaag   180

tgaaggagtt gctaaggaaa ttgaaaggca agtcaaccct tcagcgaaac ctttcatacg   240

acttggctgg ccaagatcat cctagttaac aagcataacg gaaaatggag aatgtgcatt   300

aactacttga tctaaacaaa cattgtctga aagactcata tccgcttccc gacatagata   360

aaatggcgga tagatctttc gactactgat att   393

<210>   16696
<211>   422

<212>   DNA
<213>   Glycine max

<400>   16696

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ctttaatcga ttaccatgtg atattatcga ttacttctct tttaaaagtg ttttagaagt   120

aatcaagaac actttaatca attacttctc ttttaaaagt gtttcaaaag taatcaataa   180

cactttaatc aattacattg aggatctagt cgattacatt attcttgaga ggtttccaat   240

ttttgggaag aacactaatc gattgaaatg ataattaatc aattactttg ttgaaataat   300

cgattatagg tggttataaa tattttctct ataaatatcc accttgtgtt ctctcttata   360

acaacttaac gaacttctaa cagtgcaaaa ctatttctga atgagctaga atcacgagtt   420

ga   422

<210>   16697
<211>   394
<212>   DNA
<213>   Glycine max

<400>   16697

ttgcttgtgg ttcaggtcaa tggaacatga ttgtacgata agtacaaggg gaccctcctt   60

gtggcagttg.cacaagatga caacaataaa atccttccaa tagcttttgt tgttgtcgaa   120

agtgaatcaa caagagcatg actcttcttt ctacaaaatt taaaaaggca tgttactcca   180

caacatggtc tatgtttgat ttgaaagaga acaagtcaat aaatagtggc tactcaagac   240

gtgatagtgg gtggacgaca cagaattcta tgcatgtgtt ctgcatttga cacattgcac   300

ataattacat gaggagatac aagaacaatg ccatcaaaaa atcaatatga gtgagtgtca   360

aacttctttc tcttcctatt aaatatcact tcat   394

<210>   16698
<211>   426
<212>   DNA
<213>   Glycine max

<400>   16698

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cccgacgaag acactgacaa aaacttatct tctccttttt ggacaaagta tggcaggctg   120

ggggcaacta aattttcttc ccatcagacc ttggatgcaa ttgtgatcgt atgcccatat   180

cagcgagatc ttgacgggta ttcaagccat ccttcgtctt gccttgaatg ttaagaagcg   240

tcccaatcac actgtcacaa acatttttct ccacatgcat aacatcaata caatgtgtaa   300

cgtcaagatc agaccagtac ggaagatcaa agaaatgga cctcttcttc catatgcaac   360

tcttactttt atccttcttt tgggtctttc caaatacaat attcaggtgt tgaacccgct   420

catata   426

<210>   16699
<211>   392
<212>   DNA
<213>   Glycine max

<400>   16699

tgcttgtttt ttagcaggaa attaaaaact gaaattatag tgggagaaaa aatactagtt   60

cccaacgttt caactttttt tggtgtacat aatggctaaa gtccacccga ttcacctgat   120

agactggtaa tctttgtatt ttaaacatgt gccaattaga aaaataaaaa tgacacatga   180

tgttagctta gcaagcgaat acgagtgaat aggaatagag atttgatatt atgaggggaa   240

cgaagcaaag ttttccagaa caaaaacatt tcttcaccaa tcacaaggat caccttttcct   300

atttattgtg attgtgaaca tcatgatcct aagcatcagc gtttcgctgt ggctagaata   360

ttgagtaatt gtcctctaat acgcacctga tt   392

<210>   16700
<211>   425
<212>   DNA
<213>   Glycine max

<400>   16700

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aaactatcaa aacttaacca ccaagcagaa actatacctc aaagtttaac cactcgataa   120

aagcaacgag gcttaaccat taagagcaga aacaaaacaa cgattcaatg cttaaccatc   180

catgtcaaaa acttaaacaa tgtttaatca ccgcggacag aagcttacca ggactttttca   240

caaacatttt gtgaatcaac aataatcaaa gcttaatcac tcatgataga agctaacaaa   300

tgaacaatgc ttaaccacca cacatgacag aagctaaaat catcagaaca agtcgaaaaa   360

ctttagaagt atttaatcaa acaccttgta gacaaacaaa atctgaacac tagacatgaa   420

gaaac   425

<210>   16701
<211>   381
<212>   DNA
<213>   Glycine max

<400>   16701

ttgttttta tgcattagcc tgagcaatct ttgaatctca agccaatttg aattgcatgt   60

gaaagttatg aacaaattag gaaacccaat aacccacaa attgtcattc aatcaaaata   120

tagttgatcc atatatcttt gatttcgaac aaaagttaag ggtagaatga ctcttttccc   180

tttatttgac ccctgatttt gggtctgatc ataacattac tgcaatttgt tggattcatc   240

aactcttaat tatttttgt gagtcctgat gaaatacaat ctttcggact ccatcatgca   300

atatctgtca tctacaaatt gttgaaaaag tttcctagat ctcaacattg tccttcatct   360

tttctggtat gaatacaaaa a   381

<210>   16702
<211>   367
<212>   DNA
<213>   Glycine max

<400>   16702

actcagcttc aaggcatgct gctcaagtgc aaagcacatt taatcaactg gcctcagtct   60

ttagagaact tttgtgagag gtcctcgtaa ttcatatccc accgctcact tctcagatac   120

tgtggcccac accaagtggg ttactaacta tgagttgaac ttgtccggag atgatagata   180

ttatcctaag catataggat ataaacatct ttatctctaa aaaatatcac actgtgtgat   240

gcatagacag ctatcaaaag gcctgacctt tttattaaca cttcataggg atcgccaaaa   300

taaaagatgg tgctattgtg cgggataccg cctacggtta gtattatcct ctacgtgagg   360

ctcacct   367

<210>   16703
<211>   380
<212>   DNA
<213>   Glycine max

<400>   16703

ttgtttcaat attgcaatcc aacacttgta ttttcagctt tagcattttt gggtccaatt   60

tgtaattagt ggcccagtta cacatttatg tagattttg dacagtgtat cagtgagatt   120

tatgaaaata tattcgaaga tatcgtgatg tatgtagtat tgattattga gatttagagt   180

taatatcatt aggatatgtg atcttatctt gtcttatctt tagaatcgtt gctttattaa   240

gatgaggatt ccatcttatt aagattttgt tcctctatta gaatcaagat tgtatataat   300

cttatctta tgttatataa gattatgaat tgtttaggat ttatatattt tctttcttat   360

cctatatatt ggaacccatg   380

<210>   16704
<211>   417
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16704

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gtggacatac ttttagtttt gcaggcgagg tctaacatgt taggtgagga tagtctctgt   120

atttggcaac tctgtccttt tctgacaatt ggagatcgca ttgaagacat acgttatgtt   180

ttgtcctttg atcaagcgtg tgcgacacat gtgcagcact cttgcataca agttactcga   240

ggagtgggca cgtactggag acgtgatgcg tgagcgagtg gggctgtatc gtggtgcgaa   300

aagctagtgc accacttcat ctcccgcaag ttaccaaaga gcttgtctcc tctataaatg   360

cagtggatgt ttgatttgta gccaccatta ctatgagatt attgtctctt tctcttg   417

<210>   16705
<211>   387
<212>   DNA
<213>   Glycine max

<400>   16705

agcttcaaat atattgactt aaaatttgaa gccataaatg agtaataatt ttttttgga   60

atcatttaac ttgccctcaa atttatttca acaggttctt ttagtgttag ttaatcgctt   120

tagtatgtga tgtattgatt gtttctttag gatctgatct cgtgttacaa gtatgatgtt   180

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ggtttgtacg ttcaaaattt aaaatattta tcgtattgtg taactataat taaatgctta  240

tttattaatt aggaaatgtc tactcctatg ttattaagta ttgtgtcatt aattttagta  300

taaaaaaaaa gtatattgtg tcatgaatat gcaaaagttg aattgttatc cttcaagtaa  360

aattggatga atgatagagt ttattat                                      387


<210>        16706
<211>        423
<212>        DNA
<213>        Glycine max

<400>        16706

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ctagtgatgt gaccaaaata gtatatataa ctgatctctt gagttagctt ttggagttga  120

gttaggctaa gctcaaaatt tcaagaggtt tgatgatacg ttctgtatca atggtacttg  180

caaatcacaa aaggagaaga cagcaagaaa gggaagagat gttagccaag agccgaggct  240

ctccaagcaa gagggagggt ctctctgcta cccaaattcc actaaggatc ccaatggatg  300

atcctgaatc atcattacag aattttatat aacagaatgt cagaatgtgc acacacacac  360

acacacactc cactaactaa ctgtccgagg ggcgtttcct aatctgtcct ccctattcac  420

act                                                               423


<210>        16707
<211>        384
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        16707

agcttaatag tcttctagta aagaaatcac tggtagcagt aaaattatta atcagctata   60

tatcacgggt gatattaaat aaactgccta gttataaatt atttcatgca ttgggctgat  120

aatagcttgt cattaagatc tctatacaca aaacagaggc cttcaagttc aatgaagtta  180

actacttcag tacttcatat atgggacgca gtatatataa aatggatact tctttgccaa  240

aaagattaat tagtataaat attttaaaca ttttatattt aaaatggata ctttttaatt  300

aacaatatat atatactcat ttcttctttt aaatgaatac tttttaattn tatttgatta  360

catttaatta acttggtgac agat                                         384
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<210>   16708
<211>   318
<212>   DNA
<213>   Glycine max

<400>   16708

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tttgagaatc tctccaataa caaaatatga accaagtagt aaaagggtga ccaccgatct   120

tcctcttatc ttcaccctca ctaactattg tgtccttcac aggacctata tcattctatc   180

tgtgggctta aaatattgct cgctaagtcg tttatctaca tcaaggatat catatttgtt   240

caccaagcca ttgggagaga aatcaatctc ttcttaccgt gttgcatcga atgtttctct   300

gctcatttcc ttcccttt   318

<210>   16709
<211>   394
<212>   DNA
<213>   Glycine max

<400>   16709

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gatccaatat gtattttagc caccctggca tcctcatttg tgaaactcgt ggtttagtg   120

tgcaacacat cattctacat gtcacatctc attgctcaaa ccaaattttg cttctttata   180

tatatatagt tactaccctt ccgtttcaat tggagttaga tgatttggcc tctagcttaa   240

ctaaaaaata tactctcgca tgttgttagg gtgtggatgc atgtcattta gaaataagct   300

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aggtgaaagt taaaaaatta atttattaaa ttat   394

<210>   16710
<211>   423
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16710

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actgttaggc aagcaatgaa agcctctcca ttcccctta agatattta attttaatat   120

ttcataatag ttgtgaatga actgtgacaa gataaattac aaaagctgtg ttctggttac   180

ttgcaatgta cctttaaat ttgattaagt ctaatttata acataattaa gatagtttgt    240

taaaatgctc actactataa aagaaatacg tatcattaag tttaaaacct aacaggaacc   300

agtcaaccgt ggctctaagt atacactatt tgcaatgaca ttcaaattct tgtcgtcact   360

tataaaaacc acagccacta gcccggaaat aaatatcata actatgatga aatattttgt   420

cat                                                                 423
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<210>   16711
<211>   393
<212>   DNA
<213>   Glycine max

<400>   16711

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agctttattc ttgacaaaga aattaaagat attcaagatg gatgatcaag acagtctcta    60

gagtcttagg aagggtatat aaataggaa gggaattcct aattgaaata gcaaaaggtt    120

tggccaagaa atttaagtta aaagtctttt ttcaagagat ttactctctg gtaatcgatt    180

accagaggat gtaatcgatt atcagtggcc aaaaatgatt tacaacagct attaaaattt    240

gaattcaaaa tttgcactgt gtaatcgatt acacatatat ggttctcgat taccagcagt    300

tattgaactt tttaattcac atttttaaagg ttgtaatgga ttacacacat actgtaatcg    360

attaccagag gagattttca gaaaatattc tca                                393
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<210>   16712
<211>   429
<212>   DNA
<213>   Glycine max

<400>   16712

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taaatacctt atgaccataa ctgaggttca tgaagctaag cgccagtcat ggcagctaag   120

ctgaattcct tgcagcaatg tgagcgctaa gcaagtcctt attagctatg cgcatgctcc   180

tctatactta agatgcatca ttttagctaa gctggtcaga gcctggctta gcgagagttg    240

cagcttttcg gatctgcaaa cctcactaag cggccttatc ctcgcgctaa gccaagcttg    300
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```
tgtgaaatat taaaaaaaaa cttattttga atttgaaacg ttggctaagc gcgtgggtcc   360

actaagcaag ccttgctgag aaaccaaatg tctctctggc tcgcttagcg caacagtccg   420

ctaagcaaa                                                            429


<210>      16713
<211>      264
<212>      DNA
<213>      Glycine max

<400>      16713

agtcttttgc tgatcaggac gatacggatg cagaatgcga atgaactact accgcatgct    60

tcacgtcaga ttaccgtttt aggagctctg atcaccattt gcgcattaag gccattaatg   120

gatggcagtt tctacaggag cgacactctc aattcaagga cgaagtatat actgatattc   180

aggaagagat agggcacatg gggaggacat cactggttac ccccatggtc atgtatttat   240

cagaaataag cctagaggtt atgc                                           264


<210>      16714
<211>      425
<212>      DNA
<213>      Glycine max

<400>      16714

tgcagcgcta tccgcagact catcagaagt cgggtgtttt ataaatcaga ctatgtgcat    60

gactcttaca cccagtgggt tattgatagg accaaaagct ttggcctacc ctaccgctta   120

cctaaatacc tatcgtccac catcccacca tcatccttgc ctatcccctt tgatactaat   180

gaatagtttc atgaacaatt aacccactac tggcaagata aagaaacttg gatgaggaga   240

tgccaggagc tctaccatga gaatgatact ttgaaggggga agatagccca acagaccga   300

gagctttta tccagaacca gaggatgatt gagaaggacg acttgcttcg tcggaaagac   360

tctgtgctcc accgagatgc tagaatgaag aggacgttta tggattcgtt ctcccgtgca   420

cattc                                                                425


<210>      16715
<211>      389
<212>      DNA
<213>      Glycine max
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7013

<400> 16715

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agcttttatc caattaagac gacaatatct ttttactcgg atgactgatt gagtcccgtc    60

atatatcgag acgctcgaaa ttgaatgttg atgctctgag caaattcaaa cgacaataat   120

attttactcg gatgtttgat tgagtcccgt aatatatcga gacgctcgaa attgaatgtt   180

gatgctctga gcaaattcaa acgacaataa cttttactc ggatgtctga ttcagtcccg    240

tcacatattg agatgctcga aattgaatgt tgaagctctc ggccacttca aacgacaaca   300

acattttact cggatgtctg cttgagtccc gtaacatatc gagacgctcg aaattgaatg   360

ttgaagctct cagccaattc aagcgacaa                                     389
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<210>   16716
<211>   426
<212>   DNA
<213>   Glycine max

<400>   16716

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tagtaaagct aggcactaac agaatttgct caatgcatca acattcaatt tcgagcttct    60

cgatatatta cgggactcaa tcatacatcc gagtaaaaag ttattgtcgc ttgaattggc   120

taagagcttc aacattcaat ttcgagcatc tcgatatgtg acgggactga atcagacatc   180

cgagtaaaaa gtcattgtcg tttgaatttg ctcagagctt caacattcaa tttcgagcgt   240

ctcgatatgt tacgagactc aatcagacat ccgagtaaaa agatattgtc gtttgaattg   300

gctcagagct tcaacattca atttcgagca tctcgatata tgacaggact caatcagaca   360

tccgagtaaa aagttattgt cgtctgaatt ggctcagagc ttcaacattc aatttcgagc   420

gtctcg                                                              426
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<210>   16717
<211>   374
<212>   DNA
<213>   Glycine max

<400>   16717

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tgcttattgt atatgagtgc atgtccaatg gatctctctt atgatgacct acactctagt    60

gataagagaa aggaaccact aacatggaaa cagaggctaa agatctacat aaaagtagca   120

catgaccaca ctactttgac acaggtccca agtgaaccat cttatatcat gacgtaacac   180
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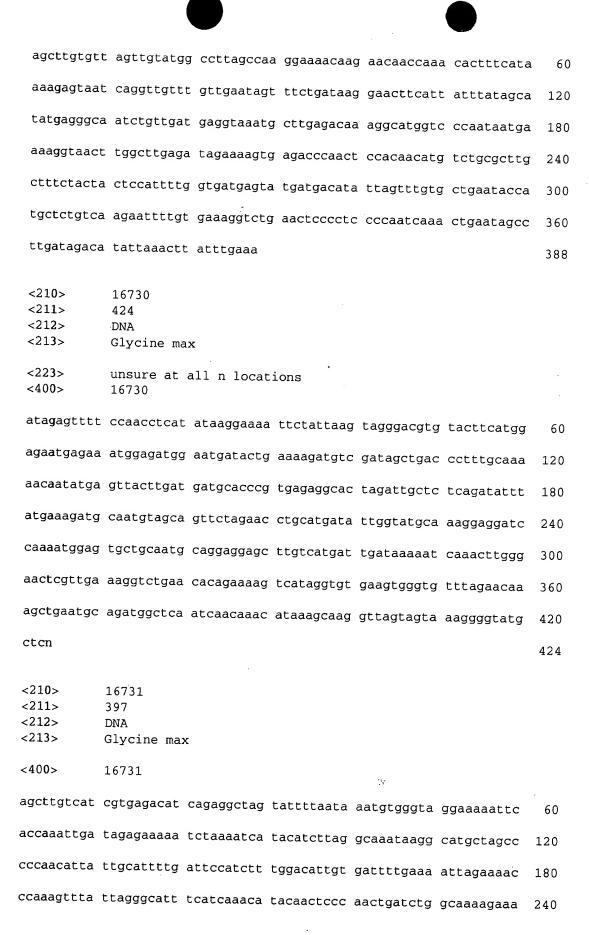
7014

cttataaaac tgttttcgat agcaacatgg tggccaaact cttagacttc caactttcct   240

tataaggact gcattatgca tcaaagcaaa aaccatagac aatgtgtgtg tgtgtgtgta   300

cttatggtga tgagggtgtg tgtgtgtgtg tgattacggt gtgtgtgagc agattacgat   360

ttgagtgtgt gaga   374

<210>   16718
<211>   422
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16718

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aaccccttga actacttcac atcgatttat ttggtccctc tagaactatg agtttaggtg   120

gaaattacta tggcttagta atagtggatg attactcaag gttcacttgg actttgtttt   180

tgaaaaccaa aaaaagaagc ttttgatgct tttcgcaaac ttgccatggt gattcaaaat   240

gaaaaaggtc tcaacattgt ttcaattaga agtgatcatg gaagtgaatt tcaaaatgat   300

tcttttgaaa acttttgtga agaaaatgga atttaccaca aattntatgc cccaagaaca   360

cctcaataga atggtgttgt ggaaaggaaa aatagatccc ttaaagaagg tgcaagaacc   420

ct   422

<210>   16719
<211>   386
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16719

ttgcttttac caaagagatt ttactctctg gtaatcgatt accagtggca tgttttgttt   60

tcaaaaagct ttcaactaaa tttacaacat tccaatcaat ttcaaaatgg tgtaatcgat   120

tacaatatat tggtaatcga ttaccagtga gtttgaacgt tgaaattcaa attcaaatgt   180

gaagagtcac atcctttcac aaaaatgctt tgtgtaatcg cttacaatga tttggtaatt   240

gattaccagt gataagttnt aaacaaaaat caaagatgt aactcttcca atggttttca   300

agtttttcta aaggttataa ctcttctaat ggttntcttg accagacatg aagagtctat   360

7015

aaaagcaagt ccttaacttg catttt

<210>   16720
<211>   426
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16720

tagttcctag cttagccgat aaggttttcc aaaagtgtgc taaggaactt aacatttcta   60

tctgacacaa tggtcctagg aaaaccatgg agtctcacaa cttcccttaa aaagagtttt   120

aagatgtggg aagcatcatc catcttgtgg catggtataa agtgtgccat cttgctaaac   180

ctatccacca ccacaaagat agagtctaca cctctttggg ttctagaaag cccaaggaca   240

aagtccatac taatgtctac ccaaggtgca gatgggatgg gtaagggtgt gtatagccca   300

tgaggcatca ccctagactt ggcttgtaaa caagccacac acctagtgca aagcttatgg   360

atatctttct tcacacggng ccaataaaac ttgtctctga gtatgacaag ggtcttgtct   420

atccca   426

<210>   16721
<211>   389
<212>   DNA
<213>   Glycine max

<400>   16721

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acgtcgaaga acggttgaaa cctttgcgaa attcttcacg gaaaacgtta cggaaacgtt   120

tcggaagcgc ctcggcttag attttcttca cggaaacgat ttttccaagc aaattcgaaa   180

gagagagaag tgccaaaggg gctgaacccc ttccttcttc acttcctccc ctatttatag   240

caaaataggg gaggtggttg ccgcccagct cgcccaggcg agccaggttg cttcctccag   300

aagcaacagc cttctggagg aatcttctgg agggcccaag tgggcctggg tgctatttgc   360

accccccattt ttactaagta cacccccct   389

<210>   16722
<211>   425
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16722

ntatatagac tntagagctt tgatccattg agatatccca acaagtcgta gtctaataga   60

ttgggccctt ttacatgtgg catgctacta tgcaaagaga gaaagagggt gtggtgccac   120

aaacatcttc tacaatgtat cttgagagaa atacatctta ccagtgtcga cttgtgctca   180

gaggtgactt ttagtcaaca attcaaatac aatgttagta gcacatgaaa aaaggaataa   240

agaatgtcaa gacaacacaa tttaaaaact ccatgttgtg cactatggca tgtatgagtt   300

actaaaccat ggatgttact tttggatgat aacttctcaa ttcttgggga ttgagtagtt   360

gttccatttc ctttggactg cgacccaaat gctaaagcac tntgtcatac cctaatttcg   420

tctgg   425

<210>   16723
<211>   391
<212>   DNA
<213>   Glycine max

<400>   16723

tgcttcttga gatgcctttc agttatctca ttagaggctt tggtaaagtc tacaatctca   60

ttagaaatat cgatagtgaa ataatcaatg aatcttgagg tcaagactgc atatggaaat   120

tcataatcca ccagtcaata gcttttcaac atgatatctt caatcaacag tacccaattc   180

atttgaatac ttgatttcat cccatatata atctacaagt cgtcgttcgt gacttgagta   240

tgactgttgg atcttggtgc tagaatatat gtaataatgt ataccaacat tttgtcttcc   300

gctatcagac caccaatacc caatctgttc cttaacaatc ttgtcgggtc aagaagcata   360

cctctgtatg tggccatttt gctatagtca t   391

<210>   16724
<211>   423
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16724

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cttgagcttg acctttatag taaacaaacc aagccgagcc gagccttaaa taggccgagc   120

cattggccct tgacaagcgg ctcggctcat ttccatccct acttgcactc ctcacctcct   180

tgagggctag aatgcatcca ttgcctcaac tcaccatcac ttaaactagc atgcttagcg   240

caggtgattc aactgatttc gcatgtttta taagtaggca agtaaataat tacatatcca   300

atttattaag gtcattgttt tttttttttt actgaaagga gcttatctaa tttcattaat   360

aatcaactac tcaatacatg acaaaggatg attgaaggta tagaggttag ggaagaatga   420

agc   423

<210>   16725
<211>   375
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16725

ttagcttctc attttcttgc ttcagttagt tcagctcttc ttgtgttaaa gacaatccat   60

tgacatgcaa ttttagttca cttttcaaat tgttgttcaa aacagaaagc ctttgagctt   120

gctcatgcat ctcattaaat gcttctaaaa gttctccaaa gtcagaattt acctcaattt   180

tttcacttgc tgacagatca tttatggatt ntgccataaa gcacacgcta ncaatttctt   240

catcatttga agagttggaa gttgttgatg cactatcttc ccatgctatg taagcttact   300

tttgtttttt atccttcttc cctttctttt caccaccatg ttntctaatg tagataagac   360

actcatgatt aatat   375

<210>   16726
<211>   435
<212>   DNA
<213>   Glycine max

<400>   16726

gacctatgaa actcagctat tggaatatcg ctaaagcctg ggattgtgtt ctggtgtttt   60

ggtatgcttt gagtttata tcattgataa tgattctgac tagtaagcct tgaatctttg   120

agactaaagt aattttcct gaagagatta tttgtctaat gattatgaca agcaatcaaa   180

tgctggataa agaatatatt ttatccaaac ttcagtaaga gcgtgcgcaa catgtgtata   240

taagcttgtg tgcatggtta ctttcgtgaa acatcaatta ttaacttttt attgtttaaa   300

gacaaataag agcaagggta gacaacatgc aaaccatttt gacctttat tgaaatttaa   360

cttatgagta attgaggaag caaagatcaa acacttaatt acttagccat aaagattata   420

ttttctttt aataa   435

<210>   16727
<211>   392
<212>   DNA
<213>   Glycine max

<400>   16727

gagatttcta cctcgggacc ctgtgaagct caacatgcta cctgcaagct tcttattgta   60

atacatcgca agcgactgac ttaataaatg tgacttgcaa aaattcacct aatcgatcga   120

gaaaaatata agagcattca tcgtacgcaa aaaaagcatg ctacccccca gaattaatac   180

atgtgaatac cataattaga catggcgatg gtgaaaataa taaaaccta tggttattac   240

ggcttcacat taaacttaca aattgcatct gatcatgcaa tagaaatagc gagctcaata   300

tggaacttgc agacatctga caaataatac atagatgatc ttatctctat cattcgcaca   360

agagaacaat ggtggaaaca cactgcttac aa   392

<210>   16728
<211>   246
<212>   DNA
<213>   Glycine max

<400>   16728

tccatacctg atgatcagcg aaacattgct cttctcatac ggaacaatga acataatcac   60

cttggatttt gactaatttt tgctcaaatt aaatcgtaat tcatcttggt acgaactgat   120

taattttctt cactttattt cgatttcagt tccaagcaat gacaacgagg tccatgcatg   180

cattatgcat cacatctcat gggaatctta tatcacaaag tgcttatgat tatctggaaa   240

gccgca   246
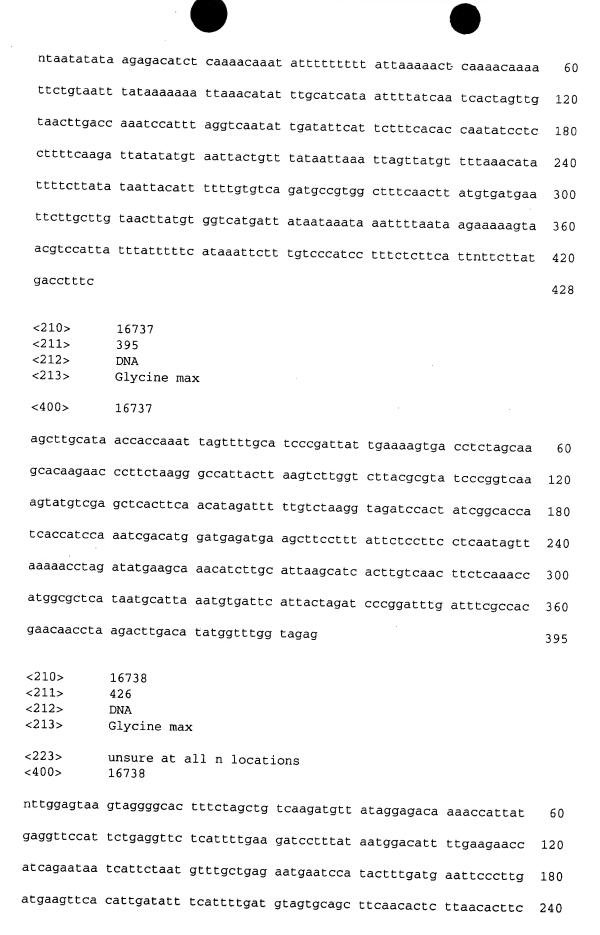

<210>   16729
<211>   388
<212>   DNA
<213>   Glycine max

<400>   16729

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agcttgtgtt agttgtatgg ccttagccaa ggaaaacaag aacaaccaaa cactttcata    60

aaagagtaat caggttgttt gttgaatagt ttctgataag gaacttcatt atttatagca   120

tatgagggca atctgttgat gaggtaaatg cttgagacaa aggcatggtc ccaataatga   180

aaaggtaact tggcttgaga tagaaaagtg agacccaact ccacaacatg tctgcgcttg   240

ctttctacta ctccattttg gtgatgagta tgatgacata ttagtttgtg ctgaatacca   300

tgctctgtca agaattttgt gaaaggtctg aactcccctc cccaatcaaa ctgaatagcc   360

ttgatagaca tattaaactt atttgaaa                                       388


<210>     16730
<211>     424
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     16730

atagagtttt ccaacctcat ataaggaaaa ttctattaag tagggacgtg tacttcatgg    60

agaatgagaa atggagatgg aatgatactg aaaagatgtc gatagctgac cctttgcaaa   120

aacaatatga gttacttgat gatgcacccg tgagaggcac tagattgctc tcagatattt   180

atgaaagatg caatgtagca gttctagaac ctgcatgata ttggtatgca aaggaggatc   240

caaaatggag tgctgcaatg caggaggagc ttgtcatgat tgataaaaat caaacttggg   300

aactcgttga aaggtctgaa cacagaaaag tcataggtgt gaagtgggtg tttagaacaa   360

agctgaatgc agatggctca atcaacaaac ataaagcaag gttagtagta aaggggtatg   420

ctcn                                                                 424


<210>     16731
<211>     397
<212>     DNA
<213>     Glycine max

<400>     16731

agcttgtcat cgtgagacat cagaggctag tattttaata aatgtgggta ggaaaaattc    60

accaaattga tagagaaaaa tctaaaatca tacatcttag gcaaataagg catgctagcc   120

cccaacatta ttgcattttg attccatctt tggacattgt gattttgaaa attagaaaac   180

ccaaagttta ttagggcatt tcatcaaaca tacaactccc aactgatctg gcaaaagaaa   240
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tagtgagtag aaaatggaac ttgcagacaa aaaacaaata aaagaaagat gattttctct    300

ttatcattcg cagaaaagaa aaattgagga aacacactgc aaacaaatgt ttagatttcc    360

ttatgtgaca ttatactaac tagtgaaaat ttagcag                            397


<210>        16732
<211>        419
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        16732

tgtggattnt agggattgag ggctgttttg gtttgtgttt atgtttgagt ttgtgtttga     60

ggtttgtgtt ttggaagaaa aactcgaaga aaaaggtttg agtttaggtg tatatttctc    120

ttcatagagt ttggccaacg aaattgttct gagaagtgat gtaggtgatt gtgcaatgac    180

atccattctg atattaggtt ttaatcctcc tacaaagcaa tccaatagag cttcttgtgt    240

aattccttgt actcgattag ctaaagacgt gaactgcacg taatatgact gaactgaacc    300

aatttgagtg agtttaaaca actgagatct angacattca cacggtgatg ggccaaattc    360

tgtctctaag gctcgcgtaa aagcaatcca tgttgtgaat gaattttcat gagtcatca     419


<210>        16733
<211>        397
<212>        DNA
<213>        Glycine max

<400>        16733

agcttgttat aaagtttgaa ttaaggagtt aaaagtgact gtgataaaca cttgtaactt     60

gttaaagtta gtaaaactta gtggtttgtc aagaaatgga catagtctcg gtagttgaga    120

cgaaccaata taatttcatg tgtcttattt tgtttatttt ctcttatgtg ctttaaactg    180

attcaaggtt caaatttgat ttttgtaatt aaaaatctct atttatttgc aagatttgaa    240

actatcttct aaatcgtttt gcaaaaatat gatgtatgct ttctttcata attcactatt    300

agacaataat attgttgttt tagaaaaatg ttttaaattt tctaaaaatc ataattcaat    360

ccctttcttg tgatatatgt ctctacaaag gttcatg                            397


<210>        16734
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<211>   422
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16734

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ntaacaaatg atctatntct tatcagtact ttaattattt tgtaactgcc aaatataaag    60

gcattagaac ctgataatga taatggaatg atatagttag ttagtttcaa tcacattttt   120

gttgaagtta tttgggggca aagaattaag agctttctat caaacttctt cagaatgaca   180

aagcctatat cagtaccctа agcacgtaat caaaagggtc ccaaggaaga cttaacgcag   240

catggtgcca atattaaaaa aacgcattaa tgatagccta attatattat taatttgtgg   300

gatcacgtta cgtcaccatt tacatccata aatccaccaa ccaatcgtgc tataccaaga   360

tgcatcgaat aagttacatt ttacacacca ccatacatac atacaaaatg ctagatcgca   420

at                                                                   422
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<210>   16735
<211>   394
<212>   DNA
<213>   Glycine max

<400>   16735

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agcttataca caggaaaaga acgacagaga taggagaaga gaacgaaata gcattgggga    60

atttgaattt gcacattttt atttgttagt cttaacttag caattaagct acgttcctgt   120

tttttgttct cccgtcctat ttcggtggta tatatggatt ctgacacttg ggcagtcgat   180

ctgttattat atgcaaatgc aattcatccc aagtttgcaa cacaagtcaa ccaaggaaca   240

atatacaaat aagtttcctt ttgtggaatg ttcttagagt ttgtgtaaag taagccacac   300

aattтttata aatcgtcgaa taaagttgca catccttcga ctaaatttgt attaaacgtt   360

attтtactgg catattctgt ttaatttgag tcct                                394
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<210>   16736
<211>   428
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16736

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ttctgtaatt tataaaaaaa ttaaacatat ttgcatcata attttatcaa tcactagttg   120

taacttgacc aaatccattt aggtcaatat tgatattcat tctttcacac caatatcctc   180

cttttcaaga ttatatatgt aattactgtt tataattaaa ttagttatgt tttaaacata   240

ttttcttata taattacatt ttttgtgtca gatgccgtgg ctttcaactt atgtgatgaa   300

ttcttgcttg taacttatgt ggtcatgatt ataataaata aattttaata agaaaaagta   360

acgtccatta tttatttttc ataaattctt tgtcccatcc tttctcttca ttnttcttat   420

gacctttc   428

<210>   16737
<211>   395
<212>   DNA
<213>   Glycine max

<400>   16737

agcttgcata accaccaaat tagttttgca tcccgattat tgaaaagtga cctctagcaa   60

gcacaagaac ccttctaagg gccattactt aagtcttggt cttacgcgta tcccggtcaa   120

agtatgtcga gctcacttca acatagattt ttgtctaagg tagatccact atcggcacca   180

tcaccatcca aatcgacatg gatgagatga agcttccttt attctccttc ctcaatagtt   240

aaaaacctag atatgaagca aacatcttgc attaagcatc acttgtcaac ttctcaaacc   300

atggcgctca taatgcatta aatgtgattc attactagat cccggatttg atttcgccac   360

gaacaaccta agacttgaca tatggtttgg tagag   395

<210>   16738
<211>   426
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16738

nttggagtaa gtaggggcac tttctagctg tcaagatgtt ataggagaca aaaccattat   60

gaggttccat tctgaggttc tcattttgaa gatcctttat aatggacatt ttgaagaacc   120

atcagaataa tcattctaat gtttgctgag aatgaatcca tactttgatg aattcccttg   180

atgaagttca cattgatatt tcattttgat gtagtgcagc ttcaacactc ttaacacttc   240

7023

tcacaacatc aaagcattct aaagttgatt acttcagaca aatttaatag aagttatgtt   300

gttggtgtgt tagtattatg tccaaggtca gattgagtag tattcttcag tcttccattt   360

tgatgtttgt catcagtgtt tctcatggac aacttcattc aataatctag cacttcttat   420

gcagct   426

<210>   16739
<211>   385
<212>   DNA
<213>   Glycine max

<400>   16739

agcttctcaa tctaccaaag gaaaaagggg caattactag acaactttag aattcctaga   60

aaaagatatt aaggtctact tatatgcaag aaagtttcta agcaatccaa caaaagttat   120

attttttaaga aagaagcaac aaatgttttt aagaaaaaaa gaattgcaac tatgaggaat   180

gctggaaagg ttaagaccta ggctagttat ttttagtcaa tttaattaca taaccaaaaa   240

ttagtaatat agtaattttt caattttgtc ctttctttct aattatttta aaatattgaa   300

ttttttttttg gaaattacca aaatgcaacc aaactaggat aatcccttta taatattata   360

attataacca tggcatgtaa atgag   385

<210>   16740
<211>   419
<212>   DNA
<213>   Glycine max

<400>   16740

tgctcgagct aagcgcaaat acccctaatt gattggttga atggttcaac taagcacaca   60

tcgctgcgct aagcccaaca ccttcactgt aagttgcacc ttaagcagtg ggcttagcgt   120

ggatgatgcg ctaagtgcca cttccttgca aagacaatcc aagtaagtta gcatttctac   180

ttttactttc atcctccaaa ccttaggata gttgatttat agttttagtg actagtattg   240

ttgtaggtta ggttacttag ttttagggtt aggtatttta ggactttagg tagtttagaa   300

gcccattagg ggcaatgtga ttaaaaaggg gtgaaaaccc ctgtgtatct ttctgagatt   360

cgcgatgaac gcgctaagca tgcctgctac acttagcttg ttcatcacaa ctgttaaat   419

<210>   16741
<211>   395
<212>   DNA
<213>   Glycine max

<400>   16741

agcttataag aacaaaattg cctcaatcat ttccaaatat gcatgtgaat taggacgcat   60

caacaagaat caagccaagg ctattgtgca agcaatcaat ggggcaaaac acaccaaatg   120

attatgatga tggatggctc aaattctcgc aaaggtaaac tcatcacttt caaattgagc   180

tttcaaaact atcatgacat gtagagaaga atcaaggatt tcaagtcaca aaatgtcaag   240

aactttatt ttcaaaacaa ttacccattt cttgaacata tcctataatt caaagaaaaa   300

catgcaaatt cgtacgtgca cacaaaattg atccaaaata ttaaactgaa aatccgacga   360

aactaacaac attaacaaat taacacaact aacaa   395

<210>   16742
<211>   413
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16742

nttcgcanag cttacggtaa aatctgggac ctagttttgg tagaagtctc tacagaggcc   60

attgcctccc tcgtccagta ttatgatcag tcgttgaggt gcttcacctt tggggacttc   120

cagctatcag ccatggtgga agaatctgaa gagatcctag gatgccttct aggggggaaga   180

agaccatacc tcttctcaag gttctatccc tcattagcta gaatttctaa gatagtccaa   240

atctcagcgc aggaattaga ccacagaaag caaattgaaa atggngtggt tggaataccg   300

agaaaatgtt tggaggcaaa agtgagaatc ttggcaggta aaggcgaata ggccccgttc   360

atagacattc tcgcactggt gatcttcgga ggagtcctct ttccgaatgt gga   413

<210>   16743
<211>   306
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16743

tgtttctctc taccatcgag tctggagccc catgacttta ttggctagca ctgatcgtgt   60

atactccacc ctcaaatgtt atccagaggc ccatgaatcg attatgattc ctgcaccctc   120

caccattgac tcttgatccg gacaaattga ctgcctagca ctgttggcct attgtccgcc   180

ctcaagtctt aatcggagcc tcgtgaacag aatgccatna anggatgctn caccataaag   240

tatgtagccc cacgaattga tggactatgg cttttcgtct atcctgcacc ctccaatctt   300

acccac   306

<210>   16744
<211>   478
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16744

agcncncccg cgcgnaattg atgcctcgat acagacggcc ctatgaaact cagcttgagg   60

aagagggctc aagaacactg aaaatttttt ttggagcgga aatgttgtct cctttcctct   120

tgaccagctt gcgaaaatgg aggaagaatg agctactttg gtgagttttg gagtttaaat   180

ggacttgtag aagaagctta gagcatgatc cattggtaaa tcttatccta atcttctaga   240

ttagcgtgct aacttctatt gggatatgag tactcagagt gaaccttgta cattgcgact   300

caatgcacag ngcaattctt gcacatatgg aaatctagct caaataattt ctgtatctct   360

gtcaagcttt actaaaccaa tcacatacac acacacacac acacacacac acacacacac   420

acacacacat aacatgataa tcaataatta aaagcatatt aattgctgca gctacacn   478

<210>   16745
<211>   381
<212>   DNA
<213>   Glycine max

<400>   16745

ttgcttataa tatatcgata cgctcaaaat taaacatcga aaactctcga gaaattcaaa   60

tggccgcaac ttttcacacg gatgtccgat tcggtcgcat aatatgtcga gaggctcgaa   120

attgaacaac ggaagctctt gagaaattta gacggacata actcctcaca cggatcgacg   180

acccacgcaa accacatgaa tagacgctca caatcgtaca tcggctgctc ctgagaaatt   240

caaacgatca taacatctaa catggatggt caatcaaggc tcgtcacata ttgagacact   300

ggaacttgta ctgcgtgagc tgtggtgcaa ttctagaggc catatctgtt tacaccgcga   360

gccgactaag acttatcata t   381

<210>   16746
<211>   355
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16746

gaaactcagc tgaatcggac atccgtgtga aaagtatgac cttttaattt ctcaagagct   60

tccgttggta aatttcgagc ctctcgacat attatgcgcc cgaatcggac atacgtgtga   120

aaattcatga tcatttgaat ttctcgagag cttccgatgt ttaatttcga gcgtatcgat   180

atattacaac cctgaatcgg acctcagtgt gacaagttat gaccatttga atttgacgag   240

agcttccgct gctcaacnnc caacatcact ataccngacg cgcccaaatc ggacattcga   300

gtgaaatgtt atgaccattt ggatttctca agagattccg ttgtttattt ttgag   355

<210>   16747
<211>   390
<212>   DNA
<213>   Glycine max

<400>   16747

tgcttgtcaa gacaatgcac gcatcctctt ttttcaggtc cttagacttt tgaatatata   60

tcatttgcct aattagtaga atcttgggtg ctttgtaaat tttgtgaact ctctgcttca   120

accattttct tttttagttc atcctacgta aatacacctt ataaattatt accatacatc   180

aatatcctca atacttcaat ttcactaaac aaaactcatc tccacaatag ttactcctcc   240

tcaccccata accttctatt agaaaattaa gcaaacaaa gaaaaagtat tgaaattaaa   300

attaaaattc ttacaattac aatagaagcc ttttcagtaa caatgcttcc atcttttcga   360

gttcgagtga caatataaat gtatgcccta   390

<210>   16748
<211>   414
<212>   DNA
<213>   Glycine max

<400>   16748

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ttacatccca tgttgtgata aaatctttta tataattagt tatgttgagg ttatgaaatg    60

atgattcaaa ctgtgagtat gtgataaatt gaacatgtga cggatgatga aatacatgtg   120

tattgagatg agatgtgtgt attgagttgt gaactataaa ctatgcaatc acacaattgt   180

aagacccttt aagggcgacg agtattgtga tgggatccac tgtgggaatc cgacgagtta   240

aaatgatttt gaaaacaatt gagtaaatgt gtgtatttca tagttcatag ataaagtgta   300

tatgattcat gaggtgtgat aacatgttaa attgtgatta taccattgcg attaagatta   360

agtgtatgtg ataaattgag tatgtatatg attgagatat atatgtacat tgaa         414
```

<210>   16749
<211>   384
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16749

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agcttcaaca ttcaattttg agcgtctcga tatatgacga gactacatca tacatccgag    60

taaaaagtta tagtcgtttg aatttgctca gagcttcaac attcaatttc gagcatctcg   120

ctatattacg ggactcaatc agacatccga gtaaaaagtt tgttgtttga attggctgag   180

agcctcaaca ttcaatttcg agcgtctcga tatattaagg gactcaatca aacatccgag   240

naaaaagaaa tgggcgctgg aagttgctca gagcatcgac actgaattgc gagcgtctcg   300

atatattacg ggactcaatc agacatccga gtaaatagtt attgtcgccg gaatatgctc   360

agaggttcaa cattcaattt cgag                                          384
```

<210>   16750
<211>   423
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16750

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ttgaatgcac tattcaatgg agttgacatg aacattttca gactgatcaa cacttgcaca    60

gtggccaaag atgcatggga gatcctgaaa atcactcatg aaggaacctc caaagtgaag   120

atttccagat tgcaactctt ggctacaaaa ttcgaaaatc tgaagatgaa ggaggaagag   180

tgtattcatg acttccacat gaacattctt gaaattgcca atgcctgcac tgccttggga   240
```

gagaggataa cagatgaaaa gctggtgaga aagatcctca gatccttgcc taagagattt 300

gacatgaaag tcactgcaat agaggaggcc caagacattt gcaacatgag agtagatgaa 360

ctcattggtt ctcttcanac ctttgagcta ggactctcgg atagggctga naagaagagc 420

aag 423

<210> 16751
<211> 373
<212> DNA
<213> Glycine max

<400> 16751

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gccagttatg agtgtagatc agttcattga caatgtggcc tggcctggag cctgaccttc 120

ttttgtggga gataatgaaa gttttacagc ccagtcacct caacaacatg agccagaacc 180

agaaacgatc actcatttga agccaccatc cctcgagctg ttgatttcgc aaaaagaaga 240

ttagagacga gatctaatga ggctgctcat cctagaccag tgccagcatc agctgaggca 300

ccatttccag gagtggatcc atcttcacct tagcatgcat cagactcttc cactcctatc 360

ttagagatac atg 373

<210> 16752
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16752

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aggcaaagga gaagaggaga ggggagacac catccacaag ggaataagcc atggaagaag 120

gagcttcacc accaagaatg tgccttggat aagaagcttg aagatgatgc tttaatggag 180

gaaaagaaag agggaagggg ggagcacgaa attgaaggaa taaagagggg agagaagtgg 240

aactttgaag tgtgtctcat aagactttaa tgcatcaaag ntacaacaag gggtacacat 300

gcttctattt atagactagg tagcttcctt gagaagcttt cttgagaaaa cttccttgag 360

aaacttcttt gagaaaactt ccttgagaag ctagagctta gctacacaca ccactc 416

<210>   16753
<211>   95
<212>   DNA
<213>   Glycine max

<400>   16753

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atctgcagaa gaacatagat gacagactct tgcaa   95

<210>   16754
<211>   98
<212>   DNA
<213>   Glycine max

<400>   16754

tgacacatct tcctctgttt ccttccccat ggtagttcta tcatcccgag tgatctcttt   60

ccattttcta aaatccaaac ccttttttcct cctccttt   98

<210>   16755
<211>   390
<212>   DNA
<213>   Glycine max

<400>   16755

atctttacag cacattttag taatgaccca ctaacctaga attaaaataa ctcaatgcca   60

ttaacctacg gaattaaaaa aaacataatg gctgagtgta actgaaattg tggcaaccaa   120

aattcaccgcc caacagccaa catgtcagcc accatttggt ctcccaaaag gctgatgcct   180

acgatgccaa ttgggccctt attacaactt gaactaaacc taactaacgc ccttttagtt   240

gattaaccca aaacatattt ttggtcaggc aactttacaa ggatcgggcc attatttaga   300

caaactaaac actcttaaat tgaaacatag tggtgtcatt tagtcctcct ccattggggc   360

catgatacaa ctcacaagct tggacttttc   390

<210>   16756
<211>   384
<212>   DNA
<213>   Glycine max

<400>   16756

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tggtgatgag cttcattgta agagacaaaa ttggttctga ataatagctg tcattctgtg    60

aagctagtgg aatttggcgt taaccaagaa ctggatgtaa tcccaatgat agaaatgaat   120

cagtataaat ctttgagtct gatgtttatt ctatttatct catgctttag acttacttat   180

gttttgaatt tgattttggc tggaaaacat attctattct gcacaataga tttctatgga   240

ctgaacttgt tgtgaaaatt aggtgagagc tttgaaaact tatacttcaa acggtgactt   300

tgtttctccc aaaataaggt tttaaaattt ataaaatcac aatccactcc tctgcttatg   360

atatatgact ttatagattg gtat                                         384
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<210>   16757
<211>   372
<212>   DNA
<213>   Glycine max

<400>   16757

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atgcttcttt ccaccaaggc gttagttaag actcatttaa tttaactcct cacaatttac    60

agtaccctct tcctcccaat taagtctcac atttcattaa ttgcgctagt aactggcgtc   120

agttaagttt acccccccag agataaaatg ataaagaagc tatagagaga tatataggtg   180

gatactagaa acttgagcta actatgctga tatatatatg gcaattatag tactagaact   240

actatctttg gttttatttc taacctcatt tgttcgaatc accaataacg agaggctctt   300

ataccttgtc acaggtgcaa aggtatgttc accacgatgt gattcgatta catgatctgg   360

aagactcatt ga                                                      372
```

<210>   16758
<211>   412
<212>   DNA
<213>   Glycine max

<400>   16758

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taaaggaaca ttcaaatcgg gtgtatttac ccgtatgtct agactccaaa gagttcatca    60

gggtctctcc ttcctgattt aggtccaatc ccgaaaatat tttagcacac agactatcta   120

taaactgtac aaaacacatg actccttaat tgttgtcaaa ataattttaa cttgtcgcat   180

ctcaaagtga ttaaactcgt caggttccca cagtggatca catcacaata cttgtcgcgc   240

attaacccgt tgaccttaaa gagtcttaca gttgtgtgat tatacgggtc atagctcaca   300
```

```
actcaatgca caataatatg tcaatacaca tgtatctcac aattcatgac atattcaatt   360

tatcacttac acacaatctc aatcacaatg tcatgatcca tcccaatata ac           412


<210>      16759
<211>      224
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      16759

caatgactaa caccatattg tcttacaaac gaataagcaa attatatgca tagtctcttt    60

tctcaagatg aataaagtgt tgtgagagct tttctaaact ttacaagaat atacacatga   120

gagattttac acagaatgat ataatgagtg cttcanatca tgctacatat cttcaaagct   180

tctgggatat atagggcctt nttaatcaag taattggtat atct                    224


<210>      16760
<211>      420
<212>      DNA
<213>      Glycine max

<400>      16760

ttgaagtacc aatcaaagcc cttaccatca gaatcttgac aggttcaaca taattggctt    60

gaacttggaa aggattagta tccacttgca taggcttttc ttcaaacttc aacatttctt   120

catcaatagt cttttgtatc atatctctga aaggtaaaca actataagtc caatgtccat   180

agacatattt aaatttgcaa tatctatttc cttttctttg ctcaaatgtt gtaattttat   240

gatcatcact aagtgcaatt tgtttatcct ttaattatac atcaaaaatt ttatcagact   300

tagtaacgtc aaaactatat tttgagttta caattctttt ttcttctggt tttaacaatt   360

gacaaatata aggaggacca tattgtaatt ttgctaaata aacttcattc tcctaattat   420


<210>      16761
<211>      294
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      16761

tgtctttttg ctagacctcg atcggtcatc tttccaggcc gaggtcgacc gtcattnntt    60
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7032

tcgatccatt tcggtgaatg atattttttt gccgagatgg gctaatgttt tcctggccga   120

ataaatggga aaatgccagt ttccgccgaa acgaaaagtc ggatgggctc gcacaaaaaa   180

acctagccga cctacattat aaattttta tgcaacacca aaacaagaaa acttcctgtg   240

ccgtataaaa ataaaaaaca ttacatgaca gcgagcgctt tgaaaaacaa aatt   294

<210>   16762
<211>   422
<212>   DNA
<213>   Glycine max

<400>   16762

tcaccggatg acgccgatcg aacatttcct aacctacgtt atgcaaattt cgttcaggga   60

ttgaattgaa aactcgttag gcgacatctg tcgtgaagta gcgaccgata tttttcagcc   120

gacattgcac aattctttt agaaaagctc gctggtcgat aatggtcttt ttacggcaga   180

gtaagtttc ttgttttggt gttgcataaa aaagttacaa tgtacttcgg ctaggttttt   240

cgtgcgagtt caaccgacat tttgtttcgg ccaggaaaac attagcccac ctctgcaaaa   300

aaaatatttg ctaaccgtct tcatgcatat ttcattcaac gattgaatag aaaactcaat   360

agccgacaac ggtcgtgaaa tagtcccgac tgatatttt cagccggcat tgcgcatttc   420

tt   422

<210>   16763
<211>   388
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16763

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ggtgattttc caccatggag atgcagcgga agacaaagga gaagaggtga gaggaggcgc   120

catccactag ggaataagcc atggaagaag gagattcacc accaagatga gccttggata   180

agaagcttgg aaggatgctt caatggagga aaagaaagag ggagcgaaag agagaggggg   240

gagcacgaaa ttgaaggaga aaaagggaga gaagttgaac tttgagttgt gtctcacaag   300

actctcattc atcatagtta caactagtgt tacgcatgat tctatttata gactangtag   360

cttccttgag aagcttcctt gagaaaac   388

7033

<210>   16764
<211>   387
<212>   DNA
<213>   Glycine max

<400>   16764

tgagtgagcc accatagact gagacaattt tgtatacaca tccttgtaac catactatca   60

ctttgtatag tggaagaatc tccatattgg aaaattataa tcgtgtgctc ccattactac   120

ctttaattac taagtgccta tcttaacttc acgaagcggg aaagtccgag ttttcccaac   180

agtggtatca gagccagatg gttcgacttg gtgaccggct cagacgagta aaatggcggt   240

gatggatctc agccttgggg atcccttgta tcgaaagtct tccaagcagt gagtccaggc   300

agcgtgtccc gcagatggag cggcggtgca agtaccgcag gtagctagag catgaaggct   360

ctaatggtta tactcgtgga tgatgac   387

<210>   16765
<211>   395
<212>   DNA
<213>   Glycine max

<400>   16765

ggtcttgctt tcttgaggaa gttcatgatg aagttgttaa atcactagag aatcatcttg   60

agtcaaatca aacaaagtgt tgtaacactg ttagcttagt tggacgaaat aaacttgagc   120

gaattgagtg aaccctagct ctactaagtt agcaagtttc cattgtattt gaacttacta   180

tctaaaaaat ccttgagtga ttagaataca tattctatga aacatttatt gtttgggaaa   240

gctagaaatg gcttcatgac aaaaaatact tgattcttaa tctcaaagag agattaaggg   300

tagtgccaaa agtggcttag agaatacttc ttgtagagag aagtggaata aagaatacta   360

ggttataatc aaagttttga ttagtggagc ccttc   395

<210>   16766
<211>   406
<212>   DNA
<213>   Glycine max

<400>   16766

tggttgtttta ttacttgcag gtacttacgt atggatgcaa gtggggatgg agtcacgacc   60

gactgatcgt tgccccttct ctgcgctaaa caaacagaga acgtcgctgc aagacagccc 120

cgtatccttt gtattcgcag ttttctttta ctatttgttt gtcttaaaaa gaaaataata 180

ataaataata agtcgacgcc taaattctaa cttaagtaag ttcaagttag gcaagacgct 240

aacccatgag aaaggagggg acatggctaa tgttccctc aagaaaaaa aatgcaggtt 300

agctcgcctg ggcaagctga gctcgcccgg gcgagccacc cctgcaccaa aatataagaa 360

tgacgaaagg gtgggacgtt ttgcattcaa aaacttcttt tccccc 406

<210>   16767
<211>   376
<212>   DNA
<213>   Glycine max

<400>   16767

ttgcttgtta tgctaaagat catttaaatt ggtatcaata ttttgtcctt agaacaaagc 60

actcaaaaag acacacatct ccggttctct cttgtttctg tagcatctgc caaataataa 120

tacataaaat aaaaaattcc cctgtaactc aagctatatc gtgcgatgtc ctggttgtgt 180

tgtgcttaat gtgcatgaaa tgcaccctcg ttttattaat tttgaagact aatataattt 240

caaggaccat taagatgacg atttacgcgt taagaaagtg attcagtcct cacattaaaa 300

attaattgga gacatatata atacaatagc agccatctcc gcacttcatt aatatggaat 360

aaaacaaagg agttaa 376

<210>   16768
<211>   397
<212>   DNA
<213>   Glycine max

<400>   16768

tggtcatagc aaaccacttt gcatgccaaa catgtgttct cagcctcttg gttacatccc 60

tagaagtgca aaaaccattc tctaggtttt tctttagttc atatctccga tgaacacatc 120

gaggaagctt cttttggtga ttctcctcca aacctgattt ggcaagggct ttatcaatta 180

ttcccagttt ctgcctcttt cttctgcacc cttttcttgc aatttggtta tcaaacacaa 240

ttgtccttct tctcttgttc ttttgagacc tataatcatt gcttactcta ttttctatga 300

tagattgaag actatggagt tcgagagcac gggattcagc atatttctgc aaattgattt 360

7035

tccaaggtgg tggtggtggt gtatgtactg aaacttg

<210>   16769
<211>   386
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16769

tttcttgaaa gaaatctcaa gaaccgntgg ttgcttgggg actggatgta ggcacgggtt   60

attgccaaac cagtataaat cttgtgtttg tcttcttctt ccctacactc tttaaattat   120

gttgtgtact tttaatggcc gcttttactt ttggttaagt ttttgtttct gttcttcact   180

ttcttaactt agtagtaaaa gcctagttga atctagtaac attaagaagg ataaattttt   240

aattagtcaa gacacattaa taattaattc aacccctctt cttaattatt ccgaggccac   300

ttgatccaac aaccatgagt cctacaattc ttaaagggac aaggtaagct aaacaaaagg   360

catgccacat gggtggaatt tcttga   386

<210>   16770
<211>   419
<212>   DNA
<213>   Glycine max

<400>   16770

tatactgtag ctgtcaaaaa ccctctagta ttctttaca acctattgta atcaattaca   60

ggggcgtgtt ctatgacaat tgattacagg gggtggtaat tgattaccag accctaaaac   120

atggattttc aagtaaaata agcattaaaa ctaactattt tacacccaca aaagtacaca   180

ttcaatataa gtaagcaaaa tatataataa taaaaaacaa tcatcaaaag caatcaacaa   240

tcatcataac tttcaaacac aatcatcaaa gacaatcaaa actcaataaa aaacaatcat   300

caaaagcaat caataatcat cataactatc aaacacaatc atcaaagaca atcaaaactc   360

aagcaaaaac gaataataaa aactcaatca aaaacaatca tcacaaagca atcaataat   419

<210>   16771
<211>   380
<212>   DNA
<213>   Glycine max

agctttgatg gtgcgtagcc caccatcttt tcatagtaga gtatcgataa tgtgtctacc   60

atcacgatca tcgtctccct ttccatcatt gggggtacca cctgggccgc cagatccctc   120

caccttttgg gcgtgttctt tgaaagatcc gtcccccttt ttgcaaatgt tctgtagttg   180

catcctatcc ggaaccatat caaaattgta ctaatactgc ctaacaaagg caaccattan   240

gtccttccaa gaatggactc gggaagattc caagttagtg taccaggtaa tagctacccc   300

agtaagactc tcttggaagg aatgtatcag caattcctca tcttttgcgt attcccccat   360

cttctgacaa tacatcttta   380

<210>   16772
<211>   407
<212>   DNA
<213>   Glycine max

taggaacccc aacgttntag cttcaatgca tgatttcata ctcatgacta ggaacccaaa   60

atttggtttt aaaattagaa aagcatgaaa atagggactt gcttgtaaga attcgggctg   120

ccccatgatt ggtgctttgc acctaagtaa catgggaaat gcttttcaat ggtatgtaga   180

tatatgtata aatataaggg ccataaaatt cctcgccaag tatgaataat tgttttctta   240

aatgaatgta tgatagtgtg gaatgctttt ttgaatgcaa atatgtgcag gatgtaatta   300

gctttccaat atgcatataa ataaatatga gtgaaacagt aaaaatttgt atggtgtact   360

tcaaatgtat gtaagtagtt tgtgatagca aatgtttagg atataaa   407

<210>   16773
<211>   391
<212>   DNA
<213>   Glycine max

<400>   16773

tttgcatttt tgcatttgga attgcgaaag ccccactcca tcattatgat tagtacctga   60

catctcaaac aaacaaatca aacgtaacaa gacaattata gttgttgttt gaatacctca   120

cccactcaag tgtatcacac aattatggct tttctctaat gaaacactct tgccttttac   180

cactctaatt cccccttgagt tcttaggcaa ttcaagagat tatggccaca acaaagaaca 240

attcaccaat atgtgtaagg taaggctaga gagacaagga aaaggttaac caagaaaagg 300

ctaacaatgt ttttaggcac aaatgaagga aataaaattc agaatttacg aattcaagta 360

acaatccttc atgcaaccaa tatattacct t   391

<210>   16774
<211>   555
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16774

tagcgctacc gcancntcat gcatcacatt gttaacatta catacttgat cnggncgncg   60

acntcccccc cccccccagc aagaggcatt gatgcgtacg atagccacgc gagcgacaca 120

atacacacnc aagccgacag cacatagtac taacagaccc acggattata cactccaaga 180

aactcaacgc catgaaccta aggagagaaa acacacacaa tggctgattg taactgaaac 240

tggcgcaacc aaaagttacc cccaacagcc aacaagtcag ccaccaaaca gggcacccaa 300

caagctgacg cctaaggtgc caattaggcc cacaaaacaa cctgaacaac agccctacac 360

aaggaaaaac ccaaaaaaga atctcagcct accaacttta caaagaccgg accattacag 420

acacaaacta cacaccccga aaccgaataa agagcggcca tgcaacgctc cggcatgtag 480

gaaacgagac aacccacaac cttagactta cctacgagaa acaacggccg gaaggcaaac 540

acaccaacaa caccg   555

<210>   16775
<211>   378
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16775

ttgcttggtt acctccttct tgactacatc aagaattacc gggttgagtc ttctctgtgg   60

ctgtcttact ggtttagccc catcctctaa atttatttga tgcatacatg tggatgggct 120

aataccagga atgtccgcca gggtccagcc tataaccttc ttatgcttct tgagaactga 180

taacagcttc tcctcttgct cattagcaag ggaggaagat ataattactg gaaaactatt 240

```
gctatcatcc aagtaagcat attttaaatt tgatggtaga ggctncaatt ctggtgtggg    300

cgattagata atggtagaaa gagatggttt ctcagcctgt acctcataca gaaagtcaga    360

ggtatgtgta cttcctga                                                  378


<210>      16776
<211>      409
<212>      DNA
<213>      Glycine max

<400>      16776

tcatcatcta ctcaagaagg aagtgatatg gaggactcaa ttgaaataga cgaagatgat     60

gatcctagtt tatttgtaaa aagattcaac aaaattcttga gagtaagagg aaatcataga    120

agatcaaatt ttaaatcaaa gaaaaggaca gaagattcat cctctactcc aaaatgttat    180

caatgcaatc aacctggaca tctgagggtt gattatccaa tgttcaagac aagaatagag    240

aaatctgaaa agaaagtttt taatgaaaag aaggcaaaga aggcctacat tacatgggat    300

gacaatgata tgaactcata tgaagattca gaaaatgaag tagtaaacct gagtctaatg    360

.gccaagagtt atgaaagcga tgaagaggta acatcttcca ataacaact              409


<210>      16777
<211>      375
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      16777

tgcttacttg gattgttgaa aataagtgca aaaaggaagg agaggtgcag gcagtgtcaa     60

ttggaagcaa ggtgcagagt gaatgcaagg aatggggaag aaaaatgctt aaaggagaga    120

aatggtaact acctaaggca gttacgcctc tttacctttt ggcagtttcg atccattcgc    180

ttagcacata gacttgataa gcgagcctaa gtgatgtttg agttttgaaa agctcatgtg    240

cttagcgact gtactcactc agcccaattc aagaaatttg aaattccaga gaaacttttg    300

ggcttagcgc anagatacat gctgagcgag ttctacagat ataaagtgtc ttgcaactcg    360

tgcttagcgg gcatt                                                     375


<210>      16778
<211>      409
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7039

<212>   DNA
<213>   Glycine max

<400>   16778

taaagtatgt ccgagtcatt tatttctatg agatgttgtt gaagtattgg cgatcagaat   60

tgccattcct tggattatag ggttgaacca agctcatgct tttacaaaaa ggttcatcaa   120

gtcaagttga aatatggaag taaccgtctt gcaaaattgg ggcaaaagat gaatcgagtc   180

acatcactgc ttcgtctact gccaaacata tttaggattg ttgatgtcct tgttacttcc   240

agtttcacct tgacaaagat gtcatggacc atgttgaaaa tctaaattga ttcaacccca   300

tatcctgcgt aaaaattcgc aatacttcaa ctgtacatca ttcacataca tccatgcttt   360

taattggttg cattgctcat tgcattcttt ccttgaaaaa taaaataaa   409

<210>   16779
<211>   326
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16779

atgctntgat gcaaattcaa atgacaataa cttttgagtc ggatgttcga ttgtgtctcg   60

taggatatcg agacgatcaa acgacaataa cttttaattc gaatgtctga ttgagccctt   120

taatatatcg agacgctcga aattgaaaac agaagctcta tgaaaagtca aatggacaaa   180

actttcaatt cggatatctg attgagtccc gtaatatatc gagacgctcg taattgaaaa   240

ctgaagcttt gaggaaattc aaacgacaat aacttttgaa tctgatgtgc gattgtgtcc   300

catacgatat cgagatgctc gttatt   326

<210>   16780
<211>   419
<212>   DNA
<213>   Glycine max

<400>   16780

tcaacatcag accacttcca gggtgctgga actacttcac atggacttga tggggcctat   60

gcaagttgaa agccttggag gaaagaggta tgcctatgtt gttgtggatg atttctccag   120

atttacctgg gtcaacttta tcagagagaa atcagaaacc tttgaagtat tcaaagagtt   180

gagtctaaga cttcaaagag aaaaggattg tgtcatcaag agaatcagga gtgaccatgg   240

cagagaattt gaaaacagca ggttcactga attctgcaca tctgaaggca tcactcatga   300

gttctctgca gccattacac cacaacagaa tggcatagtt gaaaggaaaa acaggactct   360

gcaagaggct gctagggtca tgcttcatgc caaagaactt ccctataatc tctgggctg   419


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<210>      16781
<211>      395
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      16781
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tttcttgtct ttttcagggt atacgaaaga aggcccagga aattcaaaaa tttaatgact   60

gccctcacgt actgtctcgt ggggggtatg aactgcttga caagaaactt atggaggaga   120

agagcaagcg tggacatgag gaacattcgt gtactgaaag cccaacactc aacgtcgacc   180

caccatccct agttgcaaga cacttgaagt ggaagatcgc ccgcactaag cggcatggcc   240

aaatgacgtc tgaagtggca caagaaattg cagacaaaat tgtcagttca tatatttttt   300

tggttactat cattggcaaa taatggttag ctaacctagt caaatttgtt ttattcanat   360

tcaacaattg tatatgcatg caggattcat tacag   395


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<210>      16782
<211>      418
<212>      DNA
<213>      Glycine max

<400>      16782
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tgcatcatgt gatatcaaga gcatcttcat ctatgtgatg ttcttttgct tcctctatct   60

ttttgttcgg tgaattctct ttaattcctt gttcttcatc ttatcctcca tgtatatcct   120

ccattgtctt gtggtttggt gctgtttaga gtagattcca aaaaaaaaaa ataaaccgat   180

taaatcttag atctatactt gttcttgcat ttctatggtt caaattttgt agatctactc   240

ttgaatcatg tttttgtgtt gatttcaggt tctatcattt ttcattcata atattcttgt   300

gctgaacctt agatctaaat tttcttccaa aatattgatt agaaaaaaaa acacaaaaat   360

ctaagtgtaa atcacttaat ccatgttgtc ttagagtcat gtttagtcat agtaattg   418

<210> 16783
<211> 391
<212> DNA
<213> Glycine max

<400> 16783

atcttcgtgg ggatggtgaa tcttcttcag atggtggatg gtacaatggt ggagaggagg   60

gtattttagg tatttcaaaa tgtctaaaaa attgagggat gtcaggggtt aaaaaaaagg   120

tgtaaatagt catccctttt tcgctttttct tttcctttcc accttttagt ttatttttat   180

tcttaagttt caatagtcta aatcaaacgg acagatgcta accatggcac ataggagatt   240

cctcatgacc attttagaac tcgtcactgt tgatgatcaa agaagaaaaa agaagaactc   300

gttatcgttg cttgcagatg ttggcttaca gttagtcagg attacttgtt aggttagccg   360

acaggtttga atctttgaag ttggaagttt g   391

<210> 16784
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16784

tgtaattntt ctcttaagag caatcatagt agactctttc actctaaaca tcttattaat   60

atttttttct atttctcttt ctaaaacata tcatacattt attcttatca ttagtccatt   120

accattctca cttctgtctc tttctctcac taattttcat ctaaactcta aagtttaagt   180

gaagatgtcc agtgtccact aatcattttt aaattatcaa tacaaaatgc tagcaattac   240

atttcctagg tggagagttg ttctccatta ttcaataaga agttagtgct agatgtacat   300

ttttccatgg actcgaaaac tacaatacgg attacgtgcc ttccgctgaa acgttctggg   360

tgtaaacaaa tgtcaagttc cgttgtaaac aaatgtcaag ttcattaatg gttggttaaa   420

g   421

<210> 16785
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16785

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atgcgcgtat agaatggagt tccatgagaa ggaggtctta aggggcattt catcgaacag   60

gcgatgggcg tcggaggagg agccggtttt gacgtagagg ttgaggaggt tgtttgtgag   120

gaagccgccg cggtagcaaa ggccgtgttt gatgattcga gcgtgaatgc atcttccgat   180

gaatgggtct cgtgatttga ttgcagattg gagaaggtac acgcatgcat cggaatggga   240

gggacggttt gnggttggtg ttagcatcaa cacaagcacg gcgcagtgtc tgttcactct   300

gttgtaatct cgtactcgta gttaacagaa ttgcataact aanacgtttc gcttctattc   360

ttagcccggt accgaggaga ggctggatcg aca                               393
```

<210>   16786
<211>   420
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16786

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ggcatgatca aactagcggc atgaatccct tttttacaaa tctctctttt atttaccctt   60

aaacttaaat taaatctaaa atgaccgatg caggattgat taaggagaaa aagtattctc   120

aaaccttgac cctaggctga taattaaaat aagaagtatt aggcagttaa ttggtagttg   180

agagttctta attaaaatag aaattatgag aaaaatggta catgtgaaat cataattcaa   240

gaaactttta ttcatacata tctcttcttt aatcaagttt ctagcattgt tgtcggggga   300

ctggtagtga agttctcgga taatttaatt tgtgtaaatg aaataaaaag ttgttcatat   360

ttattttttt attctatnnt atttttatt ctatttttat tagtttaaat tctgaatttt   420
```

<210>   16787
<211>   317
<212>   DNA
<213>   Glycine max

<400>   16787

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tgcttagttt gttatctgat tgaaagccaa acaaagattg gagctgggga aggtttcctc   60

tttgagaaaa aacgagtttc aaagtatgat cttgctaatt gccttggaca atgacatata   120

aacttagctt tttatgagat ggctacttta tttcatgtgc ttgtcggcta ttctacaatt   180

aataatatat agtggggcgg tattttgtaa gacatatata tactatatca agtaaacttt   240
```

gtacgtaaca tgaccacttc cgatattata tagattaggt aatttgatga gatgtatgat   300

aagaggaata aatatat   317

<210>   16788
<211>   422
<212>   DNA
<213>   Glycine max

<400>   16788

tgtattcata gaacatttga tattagtatt ttgttattaa aaaatatttt tggcccctaa   60

ttatttccga taaaactatc aattctgcaa caaaatggct catgtttgta atgcaagaaa   120

agtgatggat aagatagaag aaaccgtgaa tatttttggc attggaatag acattccacc   180

catttcatct agataaagac aacgtggtct atcataacta gttcccgtca agaaaaaaag   240

cacagcgcca aaaacgccaa taaatccatg acatgggatt ctatttcaca acccagcttg   300

gtagagggtg tttcttcctc caccctataa aaataaaaga gcgtcccttg tatattccca   360

aaaaaactaa tgtaaaatgt aatttacatc taggattact ctttacgaaa tataatagga   420

tg   422

<210>   16789
<211>   286
<212>   DNA
<213>   Glycine max

<400>   16789

tatccggaag cataaaatgc atagcctggg gtgcctaatg agtgagctaa ctcacattaa   60

ttgcgatgag ctcactgccc tatttgcaat aaacaaacct cgcaagacag ctgcatttat   120

gaatcgtgca acgcgaaccc cttgcaggcg cccggaccgt gcaaacaatt ctcatggttg   180

acagcgtatc atcgaacata ctgccatcat acgctgatta tcacatatac acgacgtaga   240

accatgcgta taaaggcacc gataacggcc tagataatta acgccg   286

<210>   16790
<211>   366   •
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16790

                                 7044

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ttgcttgnag aatggccaga catgatacat gtcagggttt ggtttggttc aagggtaaaa    60

gggatgcccc acattatttc catgacacaa atgcaaaaat gatgatttgg aaactttatg   120

caaaactggt catgcatgca cctatgcgga cactcaagtg tcaaattttt atggtcatgt   180

gatgctaggg ctcacgattc atttcctcta ttttagtcaa cccaatgttt gcaaaatatg   240

ttcttttatc catttgtgca ttcatccaag tccatttcgg gcgtctggga aaattttcac   300

agcattcacc cttcaagtgt atacacattc tttcaaaaac tagttatgat cagtgaattt   360

ttcttt                                                              366
```

<210>   16791
<211>   412
<212>   DNA
<213>   Glycine max

<400>   16791

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tatttgtttg atcaaaaaga gcttaacatg aggcagagga gatggttaga gttccttaag   120

gattacgatt ttgagcttag ctatcaccca ggtaaagcca atgtagtagt tgatgcctta   180

agtagaaaat cccttcaaat gtctgctttg atggttagag agttggatct cttacagcag   240

tttagagaca tgagtttggc atgtgagatt acctctagta gcattaactt gggtatgttg   300

agagtcacca gcgaactctt gagcgagatc cgtgagggtc agaagtctga cccattcttg   360

tcagctcagt tagagtccat agttgcaggg agaaagagta gtcttagagt gg           412
```

<210>   16792
<211>   395
<212>   DNA
<213>   Glycine max

<400>   16792

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tggttcatac ggatcaacaa tccgtatggg ttttttttat taaatttaat tgggtttttt   120

taatttttt ttaaattata aaaatatgtt taaatattgg ctggtaattt tttttaaaaa   180

aaaataatta ttgctaatgc catacggatc agtggtttat acggattgtg aatccgtatg   240

aaccatatgg atcactaatc cgtatggttt ttttttgtt tttttaattt aaaaaaatgc   300
```

7045

ttaagttgat atttaaaact gtatttgctt ttgtgccata cggatcattg atccgtatga   360

tttttttata atattcttta tgaaccatac ggatc   395

<210>   16793
<211>   413
<212>   DNA
<213>   Glycine max

<400>   16793

tgagggagtg gtgacttccc gttcccagtg ttggtgctta cttgcctgcc ctactttgac   60

atgtacaaat gattgtttga ggcattggat gtcattctac ccttgaccct ttttagtgtg   120

ctctactgga gcactagaat gcggcccctt cccagctcct cccaaatagt tgggcgatgg   180

taagggcgtt taaaattttg tgtcctttct tcaacatcag gcctagcgtg tcaatcttat   240

tcttttttca aacgaagttt cctggaaaga ctagatgagt ctccttgaac agcatgttca   300

agaagctgtt tgagtttgat tcaaacattg ttcgtcgttt taaggaccac tttattaagg   360

tcctagctac tagattcatg gctaatggca tgccactgat gcttaacagg gat   413

<210>   16794
<211>   364
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16794

ttcttgaagg taaactanat gccttggtta acctggtaac ccatctggcc tcgaatcaaa   60

aatctacacc tggcgccaga ctctgaggtt tatgctcctc tgccgaccac cacacaaacc   120

tttgcccttc tatgcgacaa tctaaagcaa ttgaatagcc tgaagcttat gctgcaaaca   180

tctacaatag accttggcat accctaattt cgtccgggga ttataatttg atgatataca   240

accattgatt gaccgcttcg agatgactgg caaccctttg atgcacaata tgtgaagtcc   300

cgagacgtgt ccaaaatcaa aaaggaagca tgcttacccg atccgtgaaa attccgtgat   360

gtga   364

<210>   16795
<211>   423
<212>   DNA

<213>   Glycine max

<223>   unsure at all n locations
<400>   16795

gacactacac aacactcaag cttcagacca tagcaactca gaatctacgt attctttatc   60

cctcatttta atggactttc acggtttgag aagtgaaaat gacaatgggc gtgaattata   120

gcgaactctc acctcacaca agtctatacc atcagttaac ttgctcaaac tggattaacg   180

cctaaaattc tgccgaatca aaatttgact cttcaacacc caattttacc ctaaaaatgg   240

ctcttgcctt cactttggtc attcgtttat ctctcttaca cagcccaaac tttctcataa   300

gatctaaatg acatttgcag ctaagatgaa ctccctttaa cctccaaata ccactaaagt   360

cagatttggc cttttcaactc tcaaagcctc actctnttat cactcataac accatattct   420

cac   423

<210>   16796
<211>   386
<212>   DNA
<213>   Glycine max

<400>   16796

atcttaacgg agtcttaact atctaatcta taaaggcatt ggtaaataac ttgatatgta   60

aagaagtttt ctaaaacaac aatctattat gaaaaccaaa aagcgaaaat tagtaccttc   120

aacttttgac tgttgtcgta gaattgcctt tgctcttccg gttcatcaat tattacattt   180

tttatctgtg atgttttgtg ccaatcctgt ccaacctcct tctggtattt tttgcataat   240

tcaggacaac caacaatttc taatgtttca agatttgtga ggtgatgcat gttttgagga   300

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agccattcag gaatctcctc aagatt   386

<210>   16797
<211>   417
<212>   DNA
<213>   Glycine max

<400>   16797

tgcatgattt acatctccct ctttctcaat ctaattcttc ttgatatcat caaaatcttc   60

atgatttaca ttctccccct ttttgatgat gacaaccacc tgtaggttag gagcaacaac   120

7047

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aaagaaaata tctatttgca tatagtttac tcccccttgg ttttacaatg attgcttata    180

tgagacaatt gaagatttca tatttttcat atataaaaag ttgtctcata aaacaataga    240

taatttttct tactatttta tcttttatct ttctctcccc ctttgtcaac atcaaaaaca    300

aatcatgaat agaaaggaga aagatgttac cacttgttgc aatgtatgag aataagataa    360

ggcattaaaa caatcattca atattaatca agcaaaaaca agtacaataa cacatca       417


<210>        16798
<211>        379
<212>        DNA
<213>        Glycine max

<400>        16798

tgctttaaat aggctctaaa attgcgacat cgcgcttagt gccaccctca ctcttagtgc     60

gagtaagtgg atttgggctt ggcgccagtc gtgcgcaaag cctggcaaga gacaaatgcc    120

tcgcttagca aactgatctc gcgtttagca cgcggccttg atccttgtgc tcttctagat    180

tcccttatca cgctaagcac gctgaagctg cgcttagtag tggatgcgca ctgagcccaa    240

atggtgagtt gagcgcaact gctcccttta gcacttcaag attttagcct cttttgacct    300

gaaattgtgt aaattttatc attaaatcac ttgggagata ctctagagac aactataaca    360

ataaaacaag atttattta                                                 379


<210>        16799
<211>        408
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        16799

tgtctcagcg tttatgcgag acggtgacca acatgctagc tatcatcgcc aagtaccaag     60

aagagttagg tctagccgcg gcccacgagc ataggattgc ggacgaatat gcccaagtat    120

acgcggaaaa agaggctaga ggaagggtga tcgactcttt acaccaagag gcaaccatgt    180

ggatggatcg gtttgctctt accttgaacg ggagtcaaga acttccccga ttgttagcca    240

aggccaaggc gatggcagac acctactccg cccccgaaga gattcatggg cttctcggct    300

attgtcagca tatgatagac ttaatggccc acataattag aaatcgttag gaaacttgta    360
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tggtctctaa gaccttgact aaatacgact tcctttntga aataaaat   408

<210>   16800
<211>   281
<212>   DNA
<213>   Glycine max

<400>   16800

tatcttcttt gttagacctc gatcggtcat ctttccaggc cgaggtcgac cgtcattttt   60

ttcgatccat ttcggtgaat aatatttttt tgccgagatg ggctaatgat ttcctgtccg 120

aataaatggg aaaatgccag attcggtcga aacgaaagt cggttgagct cacacaaaaa 180

aacctatccg acctacatta taaatttttt atgcatcacc aaaacaagaa aacttcctgt 240

gccgtaaaaa aaaaaaaga attcataaga cagagcgcgt t   281

<210>   16801
<211>   398
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16801

tcaccggatg acgccgatcg aacatttcct aatcgtcgtc atgcaaattt cgttcaggga   60

ttgaattgaa aactcgttag gcgacatctg tcgtgaagta gcgaccgata tttttcagcc 120

gacattgcac aattcttttt agaatagctc gctggtcgat aatggtcttt ttacggcaga 180

gtaagttttc ttgttttggt gttgcataaa aaagttacaa tgtacttcgg ctaggttttt 240

cgtgcgagtt caaccgacat tttgtttcgg ccaggataac attagcccac ctctgcaaaa 300

aaaaaatatt tgctaaccgt cttcatgcat atttcattca acgattgaat agaanactca 360

atagccgaca acggtcgtga aatagccccg actggtat   398

<210>   16802
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<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16802

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attagagttt atctctttta tcttagtgag agtgattctc ctaaattctt gagtgattca   120

agaacaccct tgctgtatca aaggactttc acaacctttg tgtgttgccc tcgctggaaa   180

gagtgattct ttccttcctt tcatcttcac ccttggtctt tcaaaccaca attccagaaa   240

atccacctct gcccagaatt atctcgtggc cataactccc attntacgca ctcaaattaa   300

gtgattcttg agcctaaatt gaatttcaaa acgagacctt tcacctcgtt ttggaatcac   360

ctcatttg   368

<210>   16803
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<212>   DNA
<213>   Glycine max

<400>   16803

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cttccgtgtg attagttatg accatttgaa tttctcaaca gctttcgttg ttcaatttcg   180

agcgtctcgg tatattatgc gtcagaatcg gacttccgtg tgacaagtta tgaccatttg   240

aatttctcga gagcttccgt tgttcaattt caagcttctc gatatattat gcaccttaat   300

cagacttccg tgtgaaaagt tatgaccatt tgaatttctc cagagcttcc gctgtttaat   360

ttcaagcttc tcgatatatt atgcacctga atcagacttc cgtgtgataa gttatgac   418

<210>   16804
<211>   380
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16804

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acccagaggg aagctcccca agttccaact ccgaacacgg ctcgaccggc cggtaattcc   120

aacacgacaa ggaacttccc tccgaggcca ttgccggaat tcaccccgct cccgatgacg   180

tacgaagatc ttctaccatc cctcatcgcc aatcatttgg ccgtggtaac tcccggaagg   240

gtcctcgaac cccctttccc gaagtggtat gaccctaatg caacttgcaa gtaccatgga   300

ggtgccccgg ngcattccgt cgaaaaatgc ttggccctta tatacaaggt ccaacatcta   360

atggatgccg gatggctgac

<210>   16805
<211>   420
<212>   DNA
<213>   Glycine max

<400>   16805

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tgtgtatatg tgtatatgtg tattatgttc attgttcttt gttattgttt atattttgtt   120

ttgtgcagaa gaaaaaaaga aggaatggag acgagagtcg tcatcacaga aaagggcagg   180

acggacgaaa tcagtgtcct atctttgctt tcctcttatc tccgatgaga ggtaagtaaa   240

gaggggcaac tgtcataccc taattttgtc cgtggattat tacttgatga catgcaataa   300

atgaagtccc gagacgtctc agaaatccta aatgaagcag gcttgtgtta tccgtgaaat   360

tacgtaaggt ggcggaaatc gaaagaggt gttttgtgc aatccgtgag tatttataac   420

<210>   16806
<211>   388
<212>   DNA
<213>   Glycine max

<400>   16806

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atgcgggtgt tgaagagacg gcatgggcat ctccttcctt ccttttgcc cctgttgccc   120

cgattctttt ggcgttcacg tttgtggagg aaacgtaatc aaactttcct ctcttcaatc   180

caacctcgat tctttcccccg gcaaacacca gatccgcaaa gctggacggc atgtaaccca   240

ctagcttctc atagtagaac actggcagag tgtctaccat catggtgatc atctctctct   300

caaccatggg aggagctact tgtgccgcca aatccctcca ttgctgcgca tattctttaa   360

aggtttcacc ctctttctta acatattc   388

<210>   16807
<211>   440
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<400>   16807

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tggaaaatat gttgatgaga tactatttga tgtagtccct atggaggcta gccatctctt   180

acttggaagg ctttggcagt atgataggga tgctgtccac aatggtgtca caaacaaatt   240

ttcatttgta cataaagggc aaaaggttac ccttaaacct ttgtctccaa gtgaggtttg   300

tgaggatcaa ataanaatga gagtgaaaag agaacaagag agaaaagaag agaaaaataa   360

aattgatgaa aagagagaga acaagaaag gagagataag aaagaaaata gtggaggtaa   420

aaaaaggagt gaaactgaaa   440

<210>   16808
<211>   393
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16808

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atataaattt catgatgaga agtcacctac acgtaagaaa atataaagct tgtgaaataa   120

aagtgtcaat atgtgtagtg tatacactgg ggcgtcgaaa atttaaagaa aagaatcaac   180

aagattgaaa ggctaatata tcctctataa caaaatcaca accacacaat ttttatgctc   240

cttataaaga atcctaacgc ctaaggtaca cactcaacac aagaacacat caattttaca   300

acaaattcgc atcgaaacac caattggtcc atcaaacaca ctanatccgt gattaaaaca   360

aaacaacaca tagttgaact tcataaaaca ttc   393

<210>   16809
<211>   419
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16809

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ggagacatcg atattgaagt agtcaatgaa tcttgaggca agtacaacat aaggaaattt   120

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gtagtccact aactgatgac tttttaacat gatgtcttct atcaaaagta cccaattcat    180

cttgatacct gattttagac catagacagt ctgcagatca tcgtccatta cctaagcgtg    240

attacttaac ctctgantca naatgtaggt aatgaggtaa ctaggagatt cctcaagntc    300

cttgctgggt caagaagcat tcccctatag gtctgcatct tgttgtaccc atcagctgtt    360

tcatcgaact tgtggactcc acccatgtcc agaccgacta cttccttcca tacttcaat     419
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<210>   16810
<211>   401
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16810

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tgcattcttt atctcatagt aaattaagca taatgaattt atgcataatt ccattgaagt     60

gctggtagct aagatggaaa acatggcagt ccccaaaaag attctaaaga ttcaaattgc    120

tcaatgtagt tcctctttga gggaccatga ggtgaacata gagaagcttg acacaactct    180

tagaggaagt gtccaaattt gtaccgcaca gtccttctca tctaggtaaa ttggaaaaga    240

taaggacctt gattaaaggt gaacatcaaa agaaaaggta aaatccacca gtaaaactta    300

aaccaccttc ctcactgctc atgtttgact ntcttggaca tgactatatt gttgatacca    360

ttttggacta aaactaanac taagagaaaa catagagaat g                        401
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<210>   16811
<211>   411
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16811

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tatcaggaag gtatttgatt atatgcttca ttgaccactg ataatgttaa tatttcattg    120

ctttgcatct agaaagtgag attgtgatgt tgaatacatt tgtagtttca atgtattta    180

tccttggaga aatatatata ataaagcatg ccaaatagag catctatctt gagtaaagta    240

accaagaaac atactcattg caaaatttat ttgttttgt tggcatctta atgaaatttc    300

accaattaat gcatgttaaa aataataggt actataagtt gctaattcat tatgtccacc    360
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angcttttgg ttgctaattc atttatgtgt tgttgcaaac ttactcaaaa g   411

<210>   16812
<211>   479
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16812

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cacatcangc aaagagaccg agccggaccg gaacttaacg cagctgattt ctgcttctta   120

ccatctcanc atgagactca tatatgttgg ctcacctgat acacaatggc aatcaaccca   180

tacacaaaca cgcactggga gtgagctacc acatgtcgtg ctaaaagacg gactagcgac   240

atcacatgca aagtactata ctgatttata gcatatctca acgtagttca atacacgtca   300

ctccaccact ttatcattta gaatggatat gtcaattatc actcacatta cacatgaatc   360

atacactcga gtgatacata tatcactcac cgattcactt atacagtcac aggcatatga   420

taatatatcg aactaatcta tatgcatggt acatgtcagg aaacacacta acacgttgg   479

<210>   16813
<211>   238
<212>   DNA
<213>   Glycine max

<400>   16813

gggacaacca tccatggagg gtagtgatac tcgctaacag aaacgtgtcg ctcggcatca   60

gagtccagca caaggcataa cagccgacga catctgggcc aaggacgcag aacaaaacca   120

acgggagggg caaacacgcc actacaagaa aaatgctgga ccctgcccac ctacgcggac   180

acatggcaag aaaatccgca ccccggggca cccgcccaag cccgtcccga ctctgacg   238

<210>   16814
<211>   383
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16814

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aacttccact aatatataca gttactactc cgaatgaagg tatgaacctt gattaggctc    120

atctaatcta cctaatttaa ctaattacac aaagccatgc ccaaattcgc agcccaatta    180

ttcaagtgta gttttgactt ccaagcccaa ttcgacaaaa ttgaagcttt ccagggacta    240

ctcacattga gcatttggag ttttgtagta ttctataggc cctacacaag gcagataggt    300

caagtaagca taaaaatcca aaaataagcc acaattatca attaagctca atcatcttcc    360

taagacgaan actaagctaa agt                                            383
```

<210>   16815
<211>   418
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16815

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ntcataccct gtgttaggaa gattcgataa attttactca gatagggaag ctcagatgat     60

agaaggagaa gattctaaat ctgatgaaga tttaatcaag gcaaaggatg ccactaagta    120

ggtgaagttt gatagttgca caaataaaat cattagtgat cataagcagt ttgaagcacc    180

taatgagact gatcaagatc ttcaaattca ccctcaacat cagaatttag caccagttga    240

ggggactaat tggacaagtc aaaactatcc aaagcagccc aaaacaacaa cacccaaaag    300

gcataaagac aaatcaaagc tcctgaaaga tatggctttg atatactgtc tcatgcacta    360

caagtagcaa aagaaattga ttcattcgaa ccaaccactt atcagaaagt aatttctt      418
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<210>   16816
<211>   378
<212>   DNA
<213>   Glycine max

<400>   16816

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ctctctcttc tattttttcgc tcttagcttg agtctctctt ctctttctct tttattatcg    120

ttccttacaa ttccatttcc gacgttgagt cttatcaata caatttcgat ctctattaga    180

ttaatggcag gctaagtccg caacgttgat ctctctggag gatcaagcac agctctcttt    240

gaggttctat tatcactggt acattctgtt cagttttttcc tcttcactaa tcactctgaa    300

tttgtggcta ttaatctatg catgcttagt gcccgattaa ttgtctctgc gcataattca    360
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cgtacgttca tgcttaat

<210>   16817
<211>   418
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16817

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ataggattta agaaactctc acgtgaaaga gaggagaaat ataaagaaaa tacgcgaatg   120

ttctgaaaga ttcttctatc aagaagagaa tttcaatttc tcactttcta gaaggaaatt   180

gaaattccac atttttagtt gtttaaaatt atgttttaaa attccaaaat ttaaattctt   240

cataacacac catccccaca atggaattta gattatagaa agtgaaattc tctgatcaat   300

aactgtccac aattaaaatt ctttatccaa aggtactcta aggcttactt tacaccttcc   360

tatgtatgtt gaactcacta ggcttgttta ccacactntt agaagttcaa tattcact   418

<210>   16818
<211>   359
<212>   DNA
<213>   Glycine max

<400>   16818

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tcgatccatt tcggtgaata atattttttt gccgagatgg gctaatgttt tcctggccga   120

ataaatggga aaatgccagt ttcggccgaa acgaaaagtc ggttgagctc gcacaaaata   180

acctagccga cctacatttt aaatttttta tgcaacacca aaacaagata acttcctgtg   240

ccgtacaaaa aaaaaaaaca ttacatgaca tcgagcgttt tgaaaaacaa aattgcgcaa   300

cgtcggctgt aaatatcagt cggggctttt tcacgaccga tgtcggctat tgagttttc   359

<210>   16819
<211>   418
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16819

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gataaaggta gtgttgccat gttttcaaag cccgtactaa ggcatacaac tccttatcat   120

aagttgaata gttaagggta ggaccactta acttttcact aaaataagca attggatggc   180

cttcttgcat caacacagcc ccaatcccaa catttgaagc atcacactca atttcaaaag   240

atttttgaaa gttnggcaac gcaagtatgg aggcattaga tagcttttgn nnaagaacat   300

tgaaagcttc ttcttgtttc tctccccatt tgaaaccagc atttttcttg agcacttcat   360

tgagaggtgc taccaatgtg ctaaaatcct tcacaaatcg tctataaaaa cttgctaa   418


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<210>      16820
<211>      236
<212>      DNA
<213>      Glycine max

<400>      16820
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gatctaccac cggcagcgga atatcagcat actatcatgg ccaagattat cagcactatg   60

atttctagcg cgagaactcg gacatattac taggaaatgt gaacgattta gtattgcttt   120

tatttgcaca aaatgagtga acaaatagga agtgtgcaca atgactatat ggggcgtata   180

taattgatct aatcacgtat cctcgcttat gaaaggatga gatattacca tgaatg   236


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<210>      16821
<211>      328
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      16821
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ggatatgccc tgaaggaagg agaggatgtt actctttaat acgttgttga ctcttgcata   120

ttggtggtag gaaatcccca ttaaaggacc tcatctgtgc ggacctattc gccctacatg   180

aanagcctat aaaagcactg ctatgaaaag cttttgcata tactattcca aacaatctta   240

ttaaatcctt aacaagcctc gagacgctgt gaactgcatc ctcggattgg tgccaagaac   300

tatacaaaag aagctggttt tcaaaaca   328


```
<210>      16822
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<211> 376
<212> DNA
<213> Glycine max

<400> 16822

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tgctttgaag gtgcgtagcc caccatcttt tcatagtaga gtatcgataa tgtgtctacc    60

atcacgatca tcgtctccct ttccatcatt gggggtacca cctgggccgc cagatccctc   120

caccttttgg gcgtgttctt tgaaagatcc gtcccccttt ttgcaaatgt tctgtagttg   180

catcctatcc ggaaccatat caaaattgta ctgatactgc ctaacaaagg caaccattat   240

gtccttccaa gaatggactc gggaagattc caagttagtg taccaggtaa cagctacccc   300

agtaagactc tcttggaagg aatgtatcag caattcctca tcttttgcgt attccaccat   360

cttctgacta tacatc                                                   376
```

<210> 16823
<211> 402
<212> DNA
<213> Glycine max

<400> 16823

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tcagaaaact atagaagata atgctacggc ggtcgtttcc aatacaacta gggaagcgga    60

accggttcta cagcccgcaa taaacttggg ccgagacaga aacatgatgg ttttcggtcg   120

gaggtatagt cctcaagcct acccttatgg tttgcctccg gacttcaccc cccctaccgc   180

tccagacgat ttgagccaag cccctacctt tgaggggcaa ctccctcctc atgccgacta   240

tcctctgcaa gaagatgatg aaggagatgc ccatctaggc cctctacttc ccctcaagga   300

tccggccccc catgaattgc ctcaaccaaa catagtccgc cacgtcccgt ctccacccgc   360

acccgttaac gagttatttc cctcggcaac ctacccgtct ta                      402
```

<210> 16824
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16824

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ccttgattca ggcttgaaac atagggaagg agnggannng gatnttaagt ttttgatgta   120
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tgatgttata ttttagagga gtagatattg atgtattgtg gngatatata tataaaaatt   180

gtatgaagat aangttataa aaaagtatat tagtaatgaa gaggagaaat agagaaaagg   240

agaagtggta gatagaatat atgatgagtg aagaagagaa ggaaagtaaa agaaagagag   300

tataatgaag gaataaaaaa tgttgaggta agatgtaata tggaaggtag aagggaggat   360

gaaaaaaaat agtgaagtaa gaaaaaagaa aggaggtagt tagaaaaaag gataaagagt   420

gaaaaatgta gaaaagatag gaag   444

<210>   16825
<211>   312
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16825

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ccaaaatttt cagcacaagg taattatatt gatagatgtg gcacattaca tgtaaaatat   120

ctattaagca tgaaaatggt gcccaacaat agaaaatctt ccnttnnncc ctcnncctca   180

tatgggatta ggtgatggag tggtncngag gccttaaacc atggtaaaca ggcttgaggt   240

ggaccatctt agataaagaa ataaacctgt gcgaaaacaa catacccatg tgaataaaac   300

aacctataat tg   312

<210>   16826
<211>   374
<212>   DNA
<213>   Glycine max

<400>   16826

ttcttgacta ggcggattgt ttttagcctt aatttcgctt tagttattag tcaattcaat   60

taagaatgag aaatcccaaa gagaaaacgt ccgattgatt tttcgcttta ctttactcaa   120

aggtattttt tttattatta tattattatt ttacctcttt ttttatttcc aacgtgctta   180

cggcacgacc gaacggtcgg aattcatttt aaccaaaatt aacggatgat acaatttaaa   240

tgatcggtgg aaatttattt tatttttaga ttaggcgaga aatgacttaa ataaatggct   300

taagcacatc aaaagggggt ataaaaagca aatgaaaacg agaataaaaa tacatgtgtc   360

gcaacctacc cttc

<210>   16827
<211>   419
<212>   DNA
<213>   Glycine max

<400>   16827

tatcataatc gattgcactg ttgttttta gacaatgatt gatttattca tgagtctgtg   60

ttttaattga ttaccatgtg atatattcga ttacttctat ttctataagt atttcagaag 120

tgatcaagaa cactttaatg gactacattg aggatctaat cgattacatt gtgcttgaga 180

ggtttccagt ttttgggatg aacactttaa tcgattgata agataatata attaactact 240

tcattgaaat aatcgattac attgtatatt taatcgatta taggcagtta taattgtttt 300

ctctataaat agtcaccttg tgttctcact tctaagtaca agttcattaa gtgtgaaatt 360

atatgagctg aaataattga aagaatagaa gaagagtgct tagaaacagt gactcaaaa   419

<210>   16828
<211>   366
<212>   DNA
<213>   Glycine max

<400>   16828

tgctttatat aggttctgaa atggcgatgt tatgcttagc gccaccctcg cgctttgcgt   60

gagtaagtgg gtttgggctt agcgccagtc ttgcactgag cctggctaat gacacctgct 120

gcgcttaaca cattgatctc gcgcttagca cgcggccttg atgctgatgc tttgccagat 180

tctccttcgc gctaagcatg ctaaagctac gcttagcggt ggatgtgcgc ttagcccaac 240

tgctgagctt agtccaacga ccactttgc acttcaaaac ttagcctctt tttcacctga 300

aaatgcacat atttcatcat taaatccaat ggaaatgttc tggagacatc tttaaccata 360

aaagaa   366

<210>   16829
<211>   421
<212>   DNA
<213>   Glycine max

<400>   16829

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tgaagaattt ttggctttta catgcccgac tcccttgtgt gacatttgta ttggttgtta   60

tcttggttgt tgcatattag tacatttgat atctatattg catcatgcat catcatggtt  120

agtgagaaga aaagtttcta agttagaaaa gttacttcaa aggaaaaaat tatttgtttt  180

aatcaattac agagttgtcg taatcgaata caagaagcta tctaaagctt aaagagttga  240

gtctcgtatc gatttaatcg attacagtag tctcataatc gattacacta ttgtttgagt  300

caatgactga tttattcaag agtctttggt ttaatcgatt accaagtgga ttaatcgatt  360

acttctttct cgtttggtta tgaagatctt tttcttggaa gtgagttgta tcttttgagt  420

t                                                                  421
```

<210>   16830
<211>   370
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16830

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tcatcattat caactccctc tccatggggg cactacttga gctgccatat ccttccacct  120

ttgggcatac cctatgaaag attcgtgctc cctttacac aagttctgta gttgtgtcct  180

atccggagcc atatcagaat tgtactgata ctgcctaatg aaggaaacca ttaggtcttt  240

ccaagaatgg acttgggaag gctccagatt agtgtaccaa gtgacagctt ccctagtaag  300

gctttcctgg aaaaaatgca tcaacaactt ttcatctttt gtgtatgcct tcattntcct  360

ccagtacagc                                                        370
```

<210>   16831
<211>   417
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16831

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ntataagcgc tggtcggagg gacgaaggtc aagtggtcgt gatatacttt gatggtgttc   60

cgggtacatt ggatttggta cgaccatgcc ctcctgattt ccagctggga aattggcgag  120

tggaagaacg tcccggcatt tacgcgacga gcataatgta aacctttacg gttttaaaag  180
```

```
ctctatagtt gggcctaggc tttagagttt ttcttttgtt aaggctttgt gtcttttgtt    240

tttgaattta taatacaagg atctttcttc atctgtgcct acgtgtctac ccattcttat    300

ccatttgcat gtttacttct ttatttctga aacggcagat ccgatgacga gtcccccgaa    360

ggtactaata cctgggaccc gcctatcaac ttcgagcaag aaacgaatca nacggaa      417
```

<210>   16832
<211>   377
<212>   DNA
<213>   Glycine max

<400>   16832

```
ttctttctag tgaacccaaa aatggtgaaa tctttggagt ctatgaaatc atagcgagct     60

ggtttaaagg tgttgatcaa acccctcact tgctcaccaa gacatcggat ttggtgtgtg    120

ctaccttaaa ctataggtgg ccaattctac atctgaagct agatgatgta tgagtgtcta    180

atgttgatga ttatagatgg caattaccaa gggtgtcaat ggctgagaaa tgcttattaa    240

tgttgaaact tgaaagacaa tttcaccttt gatatatgaa gtgatgagtc acaagtgaac    300

atagatcttg tcaaatgcag cttctaggaa ctataggttg gtttggttat atattagtcc    360

accaaatctt ataatgt                                                   377
```

<210>   16833
<211>   419
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16833

```
tgaactcctt atcctaaact tctgcaaaaa gcttttaatg ttgccagagc ttccttcaag     60

catgctacga ttggatgcaa gcaattgcac ttcattggaa acttccaaat tcaatccatc    120

taagccgtgc agtctcttcg catcacctac aaaatgacat ttactaagaa aattggaggc    180

cttcttgaag tttgtaccct agttttcccc acactctcaa gattgtctgt gtataacaat    240

catctatttt tgctgctcat tcaacattac attatgtgtg tattgttaca acatacagga    300

actccgtctt ccaaagcaag atntgacatg gagtgaaatg ccatcatggt ctgtccctcc    360

aaaatatgta gtcccacctg agatgcacca acatgaagct gaatgctgct tgtttagac     419
```

7062
```

<210>    16834
<211>    392
<212>    DNA
<213>    Glycine max

<400>    16834

atcttatcac caaaacacgt attattagct aagtgctaat caagagcgtt tatacatcaa    60

atcaacagcg tttagggtca gtttctttta gaataaaaaa tttaaaaaaa taagtgattt   120

acatctagca tgtaaatcaa ttagtggcag aattattcta atttaattat taattgtaaa   180

tttaagtctt ttatatatat agttgtatta aataattaaa agataaattt ttatcatctc   240

acacgtgatc atattcaatt taaataggat tgtgtctagt tgcatgtaat atatatattt   300

ttttagtgtc tgattattct gaaattttgc aacaaacaca taaaaatctt tttttaacat   360

ataaaaacct taattatttt ttacaataaa tg                               392


<210>    16835
<211>    363
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<400>    16835

ttgctttgat ggtgtcgaga agaaatcaca tgtttgtcat catcaaaaag ggggagaatg    60

tgaatgtatg tatacatgat tttgatgatg tcaaagaaga atctaacaag gctgcttcaa   120

atgataagca tttgcttcaa gaataattca agattgcttc aacaaacaaa gccttgtttc   180

aagattcact aaagaccaag ccttgcctta aaacaaagtg ctttcaagac atgcaaggct   240

ctggtaatcg attaccagga agtgtaatcg attactagaa gacagggttg agaaatagct   300

ggtgaaaaat gttttgaatn tgaattttca acatgtaatc gattaccata tgtctgtaat   360

cga                                                               363


<210>    16836
<211>    416
<212>    DNA
<213>    Glycine max

<400>    16836

tgtccactac tatcttgaac ttagtgttgg atgttttcac acaaagacac ctacccttag    60

```
cccaatctag aaaaccctat tctagcatgc ctttagaaat tcatgcatac actaacaaca   120

tgtaaaacac acaatgttaa caacttactt ttaccatgaa tgcttcaaaa aatgaagttt   180

agaaggtgtg agtcgcacaa acttattctt agaacttttt cttttctctt aaaagtgaga   240

acataaggtc attatttata gagaaaatag ttataaccgc tgtaatcgat tatatcaaag   300

aagtaatcga ttagattatc attttaatcg attaatgtgt tcttcccaac attggaaagc   360

tttcaagaac aatataattg attagattat tcatgtaatc gattgaagtg ttcttg       416
```

<210>   16837
<211>   380
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16837

```
ttcttcctga tgatcattca tgtactttct tgacctgcac cggagaagag caaaaaatat    60

gataaaagag agagaaaaac agaaagaaaa aaactagaat atatgcttgg aggaattact   120

ttaaaaaata attaaatgta ggtttaaata ttcttaaaaa tatgagcttt ttttagcttt   180

tgtaaaaaaa attaattaaa atatttaaaa ataaaaatga aaacaggtgc attaattcca   240

atttattatt atttatcatt attaaaaaaa gttagatatt ttaaaatagc tcagtgtaaa   300

taattctaaa aataattaat atttttttaaa attntaaatg aacaaacaaa taaaagaaat   360

tcttaaataa tatacaaatg                                               380
```

<210>   16838
<211>   413
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16838

```
nttcctattg ttctgagcaa tggaccaaaa ctgattaatt catttgctac tgttcctaat    60

gggtgttcca ttccttaccc ttgcctgaaa gttcgttttg tcaagggaga gggagagact   120

ttcctgaatg actacactga ggattttcat actgttgacc cattttcttc tgtgcattcc   180

attgaaagat atctatggcc aaaggtcagt gcaaaaggca cagagcatgc tagatcgtca   240

tctgtccaag tagtgtcgca acctgaaagt ccttctcccc ttcaatcacc atcaaatgca   300
```

```
agttcagtcc cagttgaaat tcccgtaatt ttaaggactt ctgacatgat gacagatctc   360

cctgaaacac aggtgatatt tgtatccata atntattgat tgcagaacta tct           413


<210>      16839
<211>      391
<212>      DNA
<213>      Glycine max

<400>      16839

ttcttctaag attaaaaata atatattcat tattcaatat tttcaaaaaa ttataaaaac    60

aaaattatta atctaaaaaa gaaaaattaa aaaaatattt tgaaaacaaa ataatttaaa   120

attactaaga gaaagagcaa ctaagatttt gacagaaaaa atgaatgcaa aaataacaca   180

attaaaatta aaaaataata accattaatg tcttacattt ttatgcataa acatatatat   240

tacttttaat ttaaaaataa aaatatttta gtcatttgtg tgaaattaaa ttacttacaa   300

caaataaatt taattcaatt ttttaatagt aaaactcttt atatatatat atatatatat   360

atatatatat atatatatat atatatatat a                                  391


<210>      16840
<211>      416
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      16840

ntatgcttaa gtacgtatgg caaaacttca ttactgttgt tcaagacata caagcgagct    60

tgtaacaaat gttctacact tggagtgatc acatgcagtc ctcttaaacc cttaccaccc   120

actctgtcat catgccgaga ctcaggaagg ccaataggtt tagccttctc taagtattct   180

gaacaaaatt caatggcttc ttctgcaatg tacctctcaa caatagatgc ttctggacga   240

tatagattct ttttataccc ttttaagatt ttcatgtatc gttcaaccag gtacatccac   300

catagataaa caggaccaca acatttgatt tctctgacca gatgcacaat caagtgaatc   360

atgatgtcaa agaaagcagg gggaaaatac atctccgact ggcacagtat aattgc        416


<210>      16841
<211>      383
<212>      DNA
<213>      Glycine max
```

<223>   unsure at all n locations
<400>   16841

ttcttgaggg ggagtgttaa agntgttgtt taataatgtt ttatatttct agcttgttgt   60

agaagctcat agaagctgtc ctgtaatctg tctccatagg ctaggctgta gtcttcatca   120

tgaactattt tttgtactat ctgttaattc tctctctctc tctctctcac acacacacat   180

atatacatct ctcagcaaac taaggctgag gatccttttt gtgtgcatat tttcatactc   240

aaacatttct agtgtaacta cagcacaaaa ctttattcca ttgtttggtg agaggggtcc   300

agttaaaggg aaagaacccg tacttatatc ttctgatcat tctactaata attatatctg   360

ctgatcattc tactaataat act   383

<210>   16842
<211>   407
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16842

ntaaacaagg gttagaaatg gcatttctca ttatataaat ataaatacca gtttaatttc   60

attaaataca ataaatatgc gtttaaattt agctaaacat attcacaaga ttgataacca   120

aaatcaccaa ctctctatac aggacattct agtggtgatg acctaaaaaa aaattagaaa   180

acactcagat ccaaccttgc attacaaaaa taacatggtc tctttacaca tcaaaccttc   240

tcaagaacac aaggtttgct tcctcagcat ttccctcaac ctactcaaag atattcatcc   300

tagttgagtc aagtcatttt tataagcagt cacactcagc ttcctctatg tacaattctc   360

tgaatggagt ntaagcaaca acagtgattc tagaattctg gcaatcc   407

<210>   16843
<211>   384
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16843

atctttgagc caattcaaac gacaataact ttttactcgg atgtctgatt gagtcccgtg   60

atataacgag acgctcgaaa ttgaatgttg aagctctgag cgaattcaaa cgacaataac   120

ttttttactcg gatgtctgat tgaggcccgt aatatatcga gacgctcgaa attgaatgtt   180

gaagctctga gccaattcaa acgacaataa cttttttactc ggatgtctga ttgactctcg   240

tcacatatcg agacgctcga aattgaatgt tgaagctctg agcgaattca aacgacaata   300

actttntact cggatgtctg attgaggccc gtaatatatc gagacgctcg aaattgaatg   360

ttgaagctct gagccaattc aaac   384

<210>   16844
<211>   385
<212>   DNA
<213>   Glycine max

<400>   16844

taaacattca acttcgagcg tctcgatata ttactgtagt ctcaatcaaa catccgagaa   60

aaaagttatt gtcgtttgaa ttggctcaga gcttcaacat tcaatttcga gcgtctcgat   120

atatgacagg actcaatcag acatccgagt aaaaagttat tgtcgtttga attagctcag   180

agcttcaaca ttcaatttcg agcgtctcga tatatcacgg gactatatca tacatccgag   240

taaaaagtta ttgtcgtttg aattggctca gagcttaaac attcaactgc gagcgtctcg   300

atatatgacg agtctcaatc agacatccga gaaaaaagtt attgtcgtat gaattggctc   360

agaggttcca cattcaattt cgagc   385

<210>   16845
<211>   354
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16845

ttgctntgaa caatatattt gtccttcatt taactgtctt tgggcttggc ggccacactc   60

aacaaagtat tttcgacacc tactgtacgt tgatttgacc aacgttgata tgggaatgat   120

gcgacaatcc ttcaaaacct tattgataca ttctgagagg ttggttgtca tgtggccata   180

ccgacgtcct tctctatcat aagccatcgt ccatttttct tttgaaatgc gatcaatcca   240

tgttgctatg gctggactca gttcacgaaa tatttctaga ttttgatcaa aaatgtgctt   300

gcaaggagta taggctgcat caaattagtt atgaataaga attctaagta tata   354

<210>   16846
<211>   409
<212>   DNA
<213>   Glycine max

<400>   16846

tctaatgttg ctttcgtaga gattttacag aagttgtcaa tcccaaacat gttgtcatca   60

attagtcttg cttcaaacaa tttccaataa gcaaaaaagt tcaaaatctc ataaatgaaa   120

atatctatag atttggaata agactttcca aaatgaactg aaaatcaaaa caacttacga   180

gcacaagcac acactataga gcttatacgc tcttgaaaat caaattactt ttagtctgca   240

aaagattaac acacagtgac tatagattaa tttcttggtt gaaatataga taattcctta   300

tagagtagtt caaaatcttg cttggctata gattaattca ttgagaatga attgtgtggt   360

tcagtaatgg aatttgtgca tcaacattta cagatcatgg ttagaacta   409

<210>   16847
<211>   379
<212>   DNA
<213>   Glycine max

<400>   16847

tttcatgcat tctataactc ggatgtccga ttcaggcgca taatatatcg agacacttga   60

tattgaataa cagaagctct cgagaaattc gaatggtcat aacttttcac acggatgtcc   120

gattcgggcg cataatatgt cgagacgctc gaaattgaac aacggaagct ctcgagaaat   180

tctaatggtc ataacttttc actcggagga ccgattcagg cgcataatat atcgagacgc   240

tcgaaattga caacggaag ctcccgagat attcaaatgg tcataacttt taactcagag   300

gtccgattca ggcgcataat atatcgagac gctcgaaatt gatcatcgaa agctctctag   360

aaattcatat gcgcataac   379

<210>   16848
<211>   352
<212>   DNA
<213>   Glycine max

<400>   16848

gcttgtgcaa atgcaaacgg tattatcttt ttactttgat gttcgatcga gtcacgttat   60

acatcgaaac gctcgcaatt gaaaacagaa gctctgtgca aattcaaacg acaatacatt   120

```
ttaactcgga tgtccgattg agtcccgtaa tatatcaaga cactcgaaat tgagaataaa   180

agctctgaac aaattccaac gacaataact ttttactcgg atgtccgatt gagtccagta   240

atatatctag acactcgaaa ttgagaatag aacagctgag caaatttaaa cgacaatgac   300

cttttactc ggatgtccga tggagccccg agcgtctcga tatattatgc gc           352
```

```
<210>      16849
<211>      385
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      16849
```

```
tgcttgatga accctgtcat tttataggtt tattaattat gataagatgg tcacaaacac    60

acaattaact aataatcaga atgatcaatt ccaatataga agtgaaagcg atagaaaaat   120

aaaataactg aataacattg aagaacttta ttaaaaagag gaacgagagt acatggatat   180

agttacctca ctattcgagt tctacggngt ttaatcaacc atggtcataa ataactaaa    240

caacatacaa tattgcctta gaaataaaag agatcggaaa tccttataga tttggacccc   300

aattttctc cgtgcaattc tcctctcaaa agctcttgta ttttgtaaaa tgtataatga    360

atttcaaatc catgaaatac aaact                                         385
```

```
<210>      16850
<211>      415
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      16850
```

```
tgnngggctgc tgttctcgta gttcccgtga gcttgggggt ttttgaagtg agggggaaga    60

gtttcgggtg aagaaaacgt tcccccctcca cccctttata tttttcgtac aggggttgct   120

cgcccaggcg agctaacctg tactttttt tagggggtgca ttaaccacgt ctcccctctc    180

ttatgggtta gcgttttgcc taacttgagc ctacttaagt tagaattagg tgtcgattac    240

ttatttaaaa caaacaatag taaaagaaac tgcgaacgca aaggatactg ggctgccttg   300

cagcgacgtt ctctgcttgt ttagcgccgg gaaggggtgg cactaggtcg gtcgcgatcc    360

tatccttcat tcgcttccat ccctaagtac ctgcaagtaa aagccaaatg atatg        415
```

<210> 16851
<211> 398
<212> DNA
<213> Glycine max

<400> 16851

```
aggctgctgt cttttgaca cgctgggttc tacaggcgat tcatcaaaga tttctcataa   60

gtcgccaaac cactcaacaa tctgttgaac aaggatgttg cattttgtgt ttaatgaaga  120

atgtgtggaa gcatttaatg atctcaagat caaactagta gctgttccag tgcttatagc  180

atttaatgat ctcatgatag tgaggcttgt tttgaagaag acacgttgga gcatgagatg  240

gaattaacag cctcagccat ggtattacag tctcctttgg aagaagaatc caacaatgtg  300

atagaatgcc tagtcagtga aaatgaagga gaagagctag cttgtattga agagctggat  360

ggtccagaag ataagtctgc tggtcatgtg atgtttga                          398
```

<210> 16852
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16852

```
ntgccgattt aattttcacc ggtgaaagga tcattgtggt tctgagaaga ggaaaatttg   60

attatcctgc tttgataaat aggaagctta gggaaaatgg agagaataag gaggagggaa  120

gaacccatgt tgtgactgtc gttcctacat ggccaaattt cccaccagct caacaatatc  180

aatactcagc caatatcatc ccttctcatt acccaccacc ctataagcca agaacaccca  240

attatccaca aaggccaccc ctaaatcagc cacaaaaccc gcctgctgca catccaatac  300

caaacaccac ccttaacacg aaccaaaaca ccaactaggg aaagaattt ccagaaaaga  360

agcctgtaga attcacccca attctgatgt cgtatgctaa cttacttcca tatctactca  420

ata                                                                423
```

<210> 16853
<211> 388
<212> DNA
<213> Glycine max
```
```

<400>   16853

```
ttcttctgct tattagtgca cagctccttc aagaatttag catatcttgg aatttgcttt    60

attgcatcca gcagaggtat gtttacctct acttttctaa atgtttccaa tatctcctta   120

tttgcctctt ccattttttt gatggaaatt gctcttggag ggaatggaac agggatatgc   180

tgcttctgta aatcagaatt accagtggaa gattcacctg catagaaatt gttaggtaac   240

ttactcttta catgtttgtc atcagctttt tctggagtag agtaaagttg ggcaggttca   300

tttgcggatg aagaagatgt tgctggttga ggtccttgac acaactctcc tgatctcaat   360

gtaatggcac tcacattttt aggattct                                      388
```

<210>   16854
<211>   446
<212>   DNA
<213>   Glycine max

<400>   16854

```
gagctcattg ggtggctatc cccacaaagc ttacctattt taatttatct cgactcatgc    60

tcttcaccta ggctctatat ttatagagct gtggcacttc tctcactcct ctgtccgaga   120

gctgtcgaag attcttcctc atatgataaa cctttcaacg ttgagagagc cgaatctaac   180

cacttggcgt atgaaactcg tagcccattc atgataacca cgcgatgatg ccattacgga   240

tgcccctaag ttctttatct ttcctcaacg gacttctcca cgccttgtgg actctttgta   300

caaccttgag actttgcgca ccgaaatctc tcacaaggaa aggcgagagg ctctcttctg   360

ttggcactcc cctcatgggg taccctaact gtcttatggc aagtgcggga ttatagttaa   420

taaaaccgct cgtcccatca acggaa                                        446
```

<210>   16855
<211>   393
<212>   DNA
<213>   Glycine max

<400>   16855

```
ttcatgcttt ggctgctgag cgaggcgaca cgctatgcct gtcttgtgca ctaaccgagt    60

tgtctcaatc ttcatctttt tcttaaaaat aacagtaaag taaaggaatt ataatcaatc   120

ttagtcaaaa tttcctatta attgaaccta tattttacaa ctatcatcga tttttcagaa   180
```

```
actgatgtta acatgagttg gctaacatca ggctttacaa aaattaatct taaccaactc  240

atggtaacat tgaattttgg aaaatttaac gttgtattgt cttatttata atattttta   300

cgcttttcc agttcactca tctccctcat gcttcgtctc cctcacgctt ctggcaacct   360

cgaaccctct gtcactctca cactcactct cgc                               393
```

```
<210>      16856
<211>      410
<212>      DNA
<213>      Glycine max

<400>      16856
```

```
tgactggact ttaactcaag atgaaaaaaa tgtttttttt ttaccttgtt gatcattcta   60

tccagcatat acttttcact ttttatcaat tagtaggcca ttttgattcc tgtctacaat  120

ttgcatttta ttctttagtg ttgactcttg actcattgtt tttattctaa ttgttgattc  180

tccattatac ttctgctctt ttagaaattc tcatagatac attaattaaa aaaaaaagcc  240

aatgcattac cgaaaaaaat taaaaataag gctcaaaaaa aagtcaatac attacccaac  300

aaaaaattac tatagattac atcaaaggct atactacgac cggtattgta taaccgtctt  360

actatgtgca cgtactacgc cggatattta caaccgtcga aaaatccatt               410
```

```
<210>      16857
<211>      390
<212>      DNA
<213>      Glycine max

<400>      16857
```

```
agcttgattt gctggctcga ttaactagta attgactaac taataggaag aacgttagtg   60

tatcgaatct tatcttatcc agagtttatg ctagctggat tttagtgtat tcaaattcga  120

tttcatcaca tcttatcgtt gtcttgatct gtagtcgatt ttatttcggt aatgggtttg  180

gacttgaagt agatttgtga gttttggggc cgaggaccta tataacagcg ccgaagtttt  240

gggttaggga gtttttttgtg ggagaggaga atgaatgtag gattttagaa tatcagctat  300

tattactgct catgcacact gttgcacgag agaagaacgc attttctacc gatcatctct  360

aatgcatgca gtagttaaga gtatgctctt                                      390
```

```
<210>      16858
```

<211>   418
<212>   DNA
<213>   Glycine max

<400>   16858

ttgagaaagg tgatgtgaac aagcggttac tggttatatc cttcaagaag accccaattc   60

tgagttcatt tctttgcttt ggttgctttc cattgtcgaa gctcttcaaa gcgcgtttga   120

ggattcccca attgaaggta gaccacacaa ctgaacgtgt gttcaagaac ctcgttgctt   180

ttgagcagtt tcactatcca gacaagcctt acttttgcaa ctatgtttct ttcattgact   240

ctctgataca cactcagctt gatgtggagt tgctggttga gaaggaagtg attgggcatg   300

aacttgggag tgataaggaa gtggcaactc ttgttaatgg gttatgcaaa catgttgtca   360

caaactcaac ttggtaccat cacattataa ataagctcaa cgaccattac atgaacga   418

<210>   16859
<211>   393
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16859

ggtttgcatt cttcaacatc ttttttggtg tgatggtgaa agtcgggtaa actttgttat   60

tcggtgatgt attggcattt gatgccactt ataagaagaa taagtatcat ctacctgttg   120

tgggtttttc tggtgttaat cacaacaatc aaaccatagt ttatgacaca atccttgtaa   180

caaatgcaac cgaagagacg tatgtttggt tattagaaca atttgtgcaa gccatgaata   240

gtaagaaact atcaacaacg attactgatg gtgatattgc aatgagaaat gcataagaaa   300

gatactttc aaaacatgcc tangttatgt gcttggcact tgatacgtaa tgcanaagcc   360

aatgtaaaca atcctgcatt nttgccaatg ttt   393

<210>   16860
<211>   412
<212>   DNA
<213>   Glycine max

<400>   16860

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atcatcctac ttggacgact gacaaaaact ggggcaaatg aagagggtga gaataaagga   120

gaaacccatg ctgcaactgc cattcctata cggccaagtt tcccaccaat ccaacaacgt   180

cattacccag ccaataacaa cccttctcct tacctaccac ccagttatcc acaaaggcca   240

tccctaaatc aaccataaaa cccactttcc acacaaccaa tgacgaacac cacctttagc   300

atataccaaa acaccaacaa gggaaggaat tttgcagcaa aaagcctata gaattcaccc   360

caattctgga gtgctatgct aacttgttcc cttatctact tgataatgca at   412

<210>   16861
<211>   387
<212>   DNA
<213>   Glycine max

<400>   16861

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cgtcgaagaa cggttgaaac ttttgcgaaa ttcctcacgg aaaacgttac ggaaacgttt   120

cggaagcgcc tcggcttaga ttttcttcgc ggaaataatt tttccaagca aattcgaaag   180

agagagaagt gcctaagggg ctgaacccct tccttcttca cttcctcccc tatttatagc   240

aaaatagggg aggtggttgc cgcccagctc gcccaggcga gccaggttgc ttcctccaga   300

agcaacagcc ttctggagga atattctgga gggcccaagt gggcctgggt gctatttgca   360

cccccatttt tactaagtac accccccc   387

<210>   16862
<211>   412
<212>   DNA
<213>   Glycine max

<400>   16862

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ggaatcttct ggagggccca agtgggcttg gttgctattt gcaccccat ttttactaaa   120

tacacccct gtctttttt tttgtgattc ttttttcgta aagttacgaa aacttacgaa   180

tttcgtaacg atacttgttt tctttcagta atgttacgaa accttgcgta ttacataatc   240

attcccttt ttgacctacg gaatgttacg gaacctcact aattgtgcaa caatgcttcc   300

ttttgatttc cggtgtgtca cggaaccta cggattgtgc atcaatattt tcttttgatt   360

tccagcacgt catggaattt cacaaattgc ctaatgatgg gtgccaagca cc   412

<210> 16863
<211> 225
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16863

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aataganaga ggcataagac ttaacttana caaaccatca canatgtagt ctttaccaac   120

aaaaacacta tgtctagtaa taacaactct atntgactca naaacaacct tgtacccatg   180

tnggactaac anagaagtac ctattanatt ttcctcctaa tatat   225

<210> 16864
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16864

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aaccaactct gtcaaaagat taagctgtta ggctgttagg tgaagacaca catggtttta   120

tgttatatat ctaacaatag taatctatta atatagctta caggttcatt atgcatacaa   180

ttttaggtcc aagtcaacgc atatattttc atgaacgaaa ttaggacctg catattcatt   240

attagattca tatataaatt tttgtccgta cttccatagt gtccattgac acattttcag   300

catatgattc tcttttctat ctctttctcc acaacaatga gcccaaggag cagagttttc   360

ttatgagcat caatcaagaa cgtacaatta tttatattac atgatagaca aa   412

<210> 16865
<211> 248
<212> DNA
<213> Glycine max

<400> 16865

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ttgtaactcc catcaatact gatattgcaa catgcttaat tatatgcagt agcttattct   120

gatcattgcg tgtagtgtga ttatctcttc catgcaggta catgattcct atttgtagtg   180

aaagagaaat gatgggcagc agaacctaac tgaggagagt atataataac ttttatttgt   240

ctttatct   248

<210>   16866
<211>   119
<212>   DNA
<213>   Glycine max

<400>   16866

tgacggtggc catgattaat ggttaaatta ttttattcga acgcctctcc gatttgtgtt   60

aaagatgaga taacagcata tgaccccact aatagaacat attgcccgta tggtcatat   119

<210>   16867
<211>   381
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16867

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tggaggcaag ctataactgc tgctggatct ggatgcgttg cagctttatc acgtgagaga   120

tatcttgtga gcaatgatct tcttatagag ttccatcagg tatttgactt caaagaactc   180

ctattttgtt ttcgcttatc gttcttttgg tatataacac tgtagattga gtgtacacat   240

cacattacca atttactgta tctttattat atgtcttaat tcttgtacat ttccacagaa   300

gcagatgcaa ctttagcaag attngcttgt aaaacttata tctataaatt tataaaactt   360

aataaattta gtgcatctaa t   381

<210>   16868
<211>   396
<212>   DNA
<213>   Glycine max

<400>   16868

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ttgctgtgtg aagatctgca gagaccagag cttgaagagg aagctgttct gagagcttga   120

gatgagtttg tgagtggttg taagatccta gagataaagg agacatcctc accacttgta   180

ttttgcaat ctttcatctt gttctttct ttgatgaaaa ggagacttct tggctatgga 240

aagctaaaat cctctgttgg atcttccctg taggtacttg atgtaaatat ctttctatct 300

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cttgatcaca tagatacatg ctatgttagg gtcatt 396

<210>   16869
<211>   379
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16869

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gtggatggag cctcctctca cctcttctcc tttgtcttct gctgcatctc catggtggaa 120

aatcaccatt aaaggacctc attgaagctc aaagattcag cctccataga agccccacaa 180

gcaagcttcc atcaacagga ttagtaagtc tggacttgtc accagtcatg tgcctagtgc 240

agccattatc caagtaccat agtgagtctc ttgctnttag gcacacctac aagacaaaat 300

caattagaga gaggtggtac ccaattgaga ttaggtccaa tagggttaat ttccacaatt 360

aattctccgg gaatccaaa 379

<210>   16870
<211>   383
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16870

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gccccacatt atttccatga cacaaatgca aaaatgatga tttggaaatt ttatgcaaaa 120

ctggtcatgc atgcacctat gcggacactc aagtgtcaaa tttttatggt catgtgatgc 180

tagggctcaa gattcatttc ctctatttta gtcaacccaa tgtttccaaa atatgttctt 240

ttatccattt gtgcattcat ccaagtccat ttcgggcgtc cgggaaaatt ttcacagcat 300

tcacccttca ggtgtacaca cattntttca aaaactagct atgatcagcg aatttttctt 360

caaagaaaag ttggaagtca tct 383

<210>   16871
<211>   378
<212>   DNA
<213>   Glycine max

<400>   16871

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atatatcgag acgctcaaaa ttgaatgttg aagctctgag ccaattcaaa cgacaataac   120

tttttactcg gatgattgat tgagtcccgt attatatcga gaccctcgaa attgaatgtt   180

gaagctctga gccaattcaa acgacaataa cttttttactc ggatggccta ttcaatgacg   240

tattatattg ggacgtttga aattgaatgt tgagcctctg agcaaataca aacgacaata   300

actctgatgc aatcctccct atgaagggac caatcactag aaccatgagc aagaggctcc   360

aagaagattg ggctagag
                                                                    378

<210>   16872
<211>   405
<212>   DNA
<213>   Glycine max

<400>   16872

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aagttattgt cgtttgaatt tgctcaaagc ttcaacattc aaattcgagc gtctcgttat   120

attataggac tcagtcagac atccgagtaa aaagttattg acgtttgaat ttgctcagag   180

cttcaacatt caatttcgag cgtgtcgcta tattacggga ctatatcaga catccgagta   240

aaaagttatt gtcggttgaa tttgctcaga gcttcaacat tcaatttcga gcgtctccat   300

atattacggg actcaatcac acatccgagt aaaaagttat tggcgttaga attggctcaa   360

agcttcaaca ttcaaattcg agccgctcgc tatattatac gactc
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<210>   16873
<211>   382
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16873

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agtcaatttc accagttcta tgtgataaaa ctgaaagtca tctagaatat tgaagtccta   120

taacaattga caaacaccat tcaaaccttc tctaactgta accttcatat tatataatta   180

tttccccaat tatgatgaac tccacaccag catggcctgc aataccaaaa tgttttgcta   240

aactcatctt cgatttgtag tagatattgt tggttttgtg gaggaaatta taaaaaacag   300

aggagagaag agagacaata cgtatacaga gaaaatagaa ttattctatt ctaattcana   360

ttattctcag cagcgataca at   382

<210>   16874
<211>   418
<212>   DNA
<213>   Glycine max

<400>   16874

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acgactcaaa tgaaaatctt gccaccgttc ctgtgcttgt aggttgcaga atttctgatg   120

atatattggc agtttgtggg tcgaaataaa tggcagaaga aaggatcatt ctacaggcca   180

acatttgcaa attcattttg caacaagttg attgtgtttt cctgagatga gtttgctgca   240

tcttttctcc gttctggtga gattattcct ttgcttcttt ttcctttatt tcttccttca   300

ttttgttcaa ttgccccaga tttgcgcttc ctagccaacg gatttgatag ttcttgatcc   360

ttggtatata cccagcgata tccgaatttc ttcacctcag catgactctt tccactct   418

<210>   16875
<211>   392
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16875

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gggtgttgtt cctgaattat aaaggttgca gaatctgtct ctgcacgttt acccactcag   120

gttgttgttc ctgaatgata aagggcgcat aatctgtctc tacgcattta cccactcagc   180

ttgctattcc tgaatgataa agggcgcaga atttgtctct gcgcgtttac ccactcagct   240

tgtgtgtgcg gataaccgca tgtcaagtta ctccagtgtc agtatgacag aaattgtctg   300

cgcggaagat gacgtanatc tccgcgtgtc aacaggcttg ttggccgcga ttgacaaagg   360

gtgcagaaga cgacgttagt ctctgcgtgc ta   392


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<210>      16876
<211>      420
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      16876
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aaggtctgag agaccataca agtttcctaa cgatttctaa ttatgtgggc cattaagtct   120

atcatatgct gacaatagcc gagaagccca tgaatctctt cggggcgga gtaggtgtct   180

gccatcgcct tggccttggc taacaatcgg ggaagttctt gactcccgtt caaggtaaga   240

gcaaaccgat ccatccacat ggttgcctct tggtgtaaag agtcgatcac ccttcctcta   300

gcctcttttt ccgcatatac ttgggcatac tcatccgcga ttctatgctc gtgggccgtg   360

gctagaccca actcttcttg gtacttggcg atgatagcta acatgttggt ctctgtctcg   420


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<210>      16877
<211>      433
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      16877
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gctttggctc gctatcttng cgatcagctc gtcccgggtc ctctgagtca cctgcggctg   60

catcttctag ttcctcagaa tcttcttana tcccacggta natcatggac agtatcttgt   120

gaagtanaaa caaatttcga gaagatcgaa cggtgaacga aggctgngca gcattnttac   180

cgatgcagct ccatgtagtt ntctctagaa gcttcattaa gaggcttcta gcagactcca   240

gacatcttct canagatccc aacggtcaga tcatggaaag gtgtttgtga agtngcagat   300

ccaattcgag aggaccaacg ggtaatgaat gctggcagcg ttntaccgag gcagctcatg   360

tagcttctct agaagctcat taagatgctt ctctagaagc tcctcgtggc tctctgcacg   420

cttctcanan ggc   433


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<210>      16878
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<211>   420
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16878

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catgtcataa atactcatcg aaaaatgaac aagatgaggt tgttgcaaaa gcacaataga   120

agtttcatca actggtttag acaaacaatc ttcgcagatg acagtgcttc gaagacattc   180

aaattgttag ctattggtct aaatctgaat gttccaactt ggaagggata tgatatcaat   240

cattattctt tctacacaaa gtcacaagat ggaaacagta gcacgcagaa cagtggggtt   300

agtgttgacg gtcattcaaa tctgatggaa ccttgcttgt ggagcttcta tggaggctgg   360

atctttgagc ttcaatgagg tccttcaatg gtgattntcc accatggaga tgccgcggaa   420

<210>   16879
<211>   393
<212>   DNA
<213>   Glycine max

<400>   16879

ttctttatcc ccctcacccc accccacccc atcttgtgta agtcaatttt gcaggatttt   60

ttgtgtcatt taaggtcctg atgaaatttt gaagaggatg cagactgcta catctttcca   120

atgttccata atttgtagtt aatccttcca tacttcatac cttatgccca tttttaagac   180

caatttatct tttgcatcca atatagcttc aattatttgg agttctcttt tgtggcttga   240

ctatatgttg gtttttttgg atgaggtgca aagtgatttt gcaacataat gcactttgtc   300

ttgataagat atattttctt gactgcaata ttgcttgaat tatctagcca ttaaacatta   360

tgctctgact ctagtttttt taactcgata taa   393

<210>   16880
<211>   419
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16880

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aggcggcgta tggaagatgc atgaagacat ttataacttt ttaagaaatg tttagacaac   120

gtttatcatt ttattttatt tgacaaattt tattagacat gttttttata caagtatcgg   180

acctgtatat cataggtcgt gaattaaacc acaaaccta tattagacac gtagtaaata   240

agtagctaaa tcttcactct tcacttaaat caacatagtc tagtttcaac accatcaaat   300

ntttgtactg ttgcattcta ctaatatatg gagttggcta ctgctttgcc tgaggatgac   360

aatgtctaga ccataacaaa gctagaggcg ataagggaca acagtctctt aaaaaagtc   419

<210>   16881
<211>   336
<212>   DNA
<213>   Glycine max

<400>   16881

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aatcatgtgg tagtgatgat tacttgccag tccatatgaa tctctaaggt caatctaact   120

aaccactata gttgagtgct gaagatcatg tgcgtatgca accgagggta tcatgtcatt   180

acatgtttga gagagtgaag gtatgctcta attcatctat ccatcttaca tgcaagctcc   240

gactaattcc agcataagac tacattttaa tgatactaga atagacaaga ctagcatgtt   300

acatcatgtc atgaatattg gagaacagac ttgaaa   336

<210>   16882
<211>   379
<212>   DNA
<213>   Glycine max

<400>   16882

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ttgattacaa accatttcat gagacttgat tatctcacaa tgataaaata tatctcccccc   120

tcaaccaggc ttcctactta taggcaacac actataatgt ttaacatctt ggcgctaata   180

actacagaat gtagcctaac ttactaaaaa agggaaatgt gtgaatactc atgatgatca   240

tttcaaagtt ctgaatctca tgcgtggaat tttctattgg gagaaagtaa atatcttatg   300

gtattgcacc atctcaatac atatggtact taatttgtac agcctttcat gcactgttca   360

gctgataaag tctatctct   379

<210>   16883
<211>   387
<212>   DNA
<213>   Glycine max

<400>   16883

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gaagcaaaac aagcttagct gttagagata gggggaccaa catgaagact taaccttaaa   120

gcttgaagaa gtttttcttt tacatgccta cctcacttga gtgacatttg tattgattgt   180

tgtattgtgt gttgcatctt aatctctatt ttttcatatg ggcatcatgc atcatcattt   240

aggagtaaga agaaaggttc taaagttaga aaatttcttc agtgtttaac actctatatc   300

ttaatttatt atatgcatga ttgtaatcga gtacacagtt cagatgagac aatgattggc   360

tttttacgag tcattgcttt aattgat   387

<210>   16884
<211>   364
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16884

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cagtggcatt gtgcctttct ctaataatct caacaaaaaa cgaaatcaag agacataaac   180

actagcattg ggcctttctc taataatcta tttctataac gataaacgc agaaaatagg   240

cataaacgac gaaaaaacac atgtacacat gcatataaaa aacaaatgtt aacctttaa   300

gagaacaaaa ccttgttgcc gtcatgagag tgacactgat ataggttgng caaaaggttt   360

caat   364

<210>   16885
<211>   369
<212>   DNA
<213>   Glycine max

<400>   16885

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7083

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aatgaagatc tcggatagca atattttggg cagtatacat cttaagtcaa cccccaggtt   120

ttgtataaac ctgaaaactt agtgccgagg aatgtacgag gggtagtagg gtttattctg   180

caaaaagagt ttacctggca tctgaataaa aatttatgtt gattgcagta tgctggatta   240

tgtcatttct tcgggttttt aattaaaatg gtcactagtc tcatttattt tttgcttgct   300

tatagaaatg agctctaatt gattaatttc ttagtttaag acattcttaa ggaagacagt   360

aatgttctt                                                          369
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<210>   16886
<211>   416
<212>   DNA
<213>   Glycine max

<400>   16886

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atggtgcctc ccctctcctc ttctcctttg ccttccgccg catctccatg gtgtaaaatc   120

accattgaag gacctcattg aagctcaaag atccagcctc catggaagct ccacaagcaa   180

gcttccatca agtggtaatc aaagcacaag agcttcaagt aggtgctcct taaacctcca   240

ttaattgtct tgctttacct tttcttgcat tgttgttact tcatttttct ccatgtatct   300

cctcacatgt cttgtgataa atattgttaa catgattctt tagagtttcc accgattaaa   360

cttgctataa aagctagatt tgattgtcta tggatcaaaa ttcttgctct tgttct       416
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<210>   16887
<211>   392
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16887

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ttttcattct cttatccctt tgccaaaaag aattcgccaa ggactaaccg cctgaattct   120

tttgtgtatc ccatctccct tgtcaaagaa ttcaaaacga catagactga gaattctttt   180

gattcttccc attccctaat acaaaagtgt tcaaaggact aaccgcctga gaattctttt   240

gcatccccat tcacaaagta tcaaaggttt aacagcctga gatctttgtc tcaacacatt   300
```
```
7084
```

ggagggtaca tcctttgtgg tacaagtaga gggtacatct acttgggtgt gactgacaac 360

aagagagggt acatctcttg tggatcaatt ct 392

<210>   16888
<211>   365
<212>   DNA
<213>   Glycine max

<400>   16888

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cgggcaaaga ggacaaattc tgaaagcaag aaagtgggtg agtccatatc ctatggatat 120

tgattgacta cagcttcaag gactccaagt taggatactc aacctgtcaa cattatcctg 180

ggtagattat cactcacaag taactaaaga acgcctttca ttacttctct aactaactca 240

agtaaaaaat gcccattaaa ggcaaatgat ccaattggct tgttgagaac tggcaagtaa 300

actctcctgt tacatgacca ccatgtctaa gagacaattt gtatctctct agacaatact 360

attga 365

<210>   16889
<211>   378
<212>   DNA
<213>   Glycine max

<400>   16889

tttcttaatt agcctcactt taaacaatta taaggccaat tattttgccc ccaccctaca 60

ctaattaggc caagagagca tcgctatacg ccagcccaaa gacactcctg ccatttggtt 120

ttactttttt taattttttt tatcgatatg aataaaaaaa aattataaca attaatgcac 180

gttcaaccag ttagacgtac tcctttaata aagttatatg tttaatctta ttgtaatata 240

taaattacaa ttaatccata ttagaatata tctgaaacaa caatatctta attcttatgt 300

tattatccag tctcacgtta ataaaattta ttaaatgttc tatgaaagaa aatcaaaatt 360

acataattac catacctc 378

<210>   16890
<211>   419
<212>   DNA
<213>   Glycine max

7085

<223>   unsure at all n locations
<400>   16890

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tctcgaagca gtccagtcta attaaggcac tagtttaatt tactgtaatt taaaacgtgc    60

aacccttta acaaaataat aaaaacaatg gagatccctc agcagacaaa agaatgagta   120

aaattaatta ataaccatta accaggtgaa gcttgtgatc gttattaatt agaagatata   180

acttgaaaag gatatcggag tcatcaaaat catcgttcaa acagatgaag aaaggatatt   240

aagaatggaa aaccgaaaac actatttacc cattaataat cgagagtaga tatatctggc   300

tggcgtgcta ataaaagctg cctcagctgc gaaacatgtg tattattgtg tgtatatttt   360

gagctacaaa aggtttaaac atgacgtana aagtacattc ccgtacggag taaagattt    419
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<210>   16891
<211>   223
<212>   DNA
<213>   Glycine max

<400>   16891

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atcccttctc attatagaag ctagctcgct ttgtatcctc tatctggctt aatgttgaca    60

tacacacttt gttgtggatc tctatatgag atcatagacc ctctcatgca agcttcttta   120

caaacatctg acctagattc cccttactta caacaaagag aattgtctag tgggaaggga   180

attacgtcta acggtgttat aagatcgaac ccatagacaa cct                      223
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<210>   16892
<211>   344
<212>   DNA
<213>   Glycine max

<400>   16892

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ccctcacggt ttcttgttcc aacgcctggg cagttgcttt atgtgaatct cctagttcag    60

gaccctcctt tcagataata agagctgctg atttgaacct tcacttgact atttgcgcta   120

gcaccagttg ctccctaaag gcctgcacct ctttctaatt cctcaggggc ctcaacttcc   180

tcccttctat cggtcctgag aactcgggag ccaattcaaa cctttaacgt gggcttctta   240

ccaccttcgg tatccaccga tgtggcccat tgtcactgca cctaatgtca tatccttctt   300

ttcaccacct accatgcctt gataccatat gaaatgtcgg cccg                     344
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<210>   16893
<211>   370
<212>   DNA
<213>   Glycine max

<400>   16893

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ccttgaggtg gatccaagtg ctctgatcat tcattagcat attcatgatt tggtggcatg   120

ctcaccattg tttctttctt tagggaactc accataacta aaaaagcgca aaggcacccc   180

tataacaccc gatccaaaag taagatggat aacgaagagg gagtgcaaga acagatgaag   240

gccgacatgt cggctttaaa agatcagatg gcttccatca cggaagccat gctaaaaatt   300

caaaaatcaa tagaagacaa tgctacgaca gttgcttcca atacaactag ggaagcggaa   360

ctggtgctac   370

<210>   16894
<211>   399
<212>   DNA
<213>   Glycine max

<400>   16894

tgcatattca gcctgacgat ggatcgagag ttttgttatt tagggtacaa cataaaatac   60

aagagcacga ttgattagag aaatatattt ctatgcatca gcttgtttgt tagaaagacc   120

caacatatct acctactgct atcattttat ttaccttgca ttttatagtt tttagcatac   180

aagtttagtt taaattttgt ttgaaattat cacttataca tgttctctca acaatgcttt   240

gattctaaac ctaattcagg ctaacattag ttccttgtgt tcgatacttg gattcatccg   300

ttctaaacct aatccagtaa accccattg aaatttcctc gagacataaa tgcacaaaag   360

gtaactgcag tggggattca tcattgggga tcatacaac   399

<210>   16895
<211>   380
<212>   DNA
<213>   Glycine max

<400>   16895

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ttagagttta tctctttat cttagtgaga gtgattctcc taaattcttg agtgattcaa   120

gaacaccttg gctgtatcaa aggactttca caacctttgt gtgttgccct cgctggaaag   180

agtgattctt tccttccttt catcatcacc cttgttcttt caaaccacaa ttccagaaaa   240

tccacctctg cccagaatta tctcgtggcc ataactccca ttttacgcac tcaaattaag   300

tgattcttga gcctaaattg aatttcagaa cgagaccttt cacctcgttt tggaatcacc   360

tcatttggag ccctgtagct   380

<210>   16896
<211>   315
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16896

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gctgcccatg tgctaaaatc cttcacaaat cgactataaa aactcgctaa gccatgagtc   120

gcaacctacc cttcggcggt agggcgatgc ctgactctcg cgatgcgtga tccacaaaag   180

gaatacgcgc ggtgtcccca ctaatgatta tttgaagaaa acgtcggacc aaccggaaaa   240

gaagcgatct accaactntt aagtgaaagg ctcgggagtt gtatttacgc ctggggaaag   300

tattagcacc ccaca   315

<210>   16897
<211>   391
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16897

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aattccatct tcagaactga gataatcaac caaagaaaga tttatttgcc cttaagtcta   120

gagagacaag ctccaaaaga ttagaaaaga atgcttctct aaatctctta aagtgaagat   180

agattattct gatgggtcaa acaatagttt tggagattcc acatatgatg aagtagctct   240

catgtctatg aggttcaagc aaatgatgaa aaaganaggg aagttccacc attcctccaa   300

aagaaaggac ataagattca agatgaaata cgaggaggat agcattgaaa tcatctgctt   360

tgaatgttga aaacctgggc atatgaaaac t   391

<210> 16898
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16898

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attttccacc atggaaatgc agtggaaggc aaaagagaaa aggtgagagg aggcgccatc   120

cactagggaa caagccatgg aagaaagagc ttcaccacca agatgagcct tggataaaaa   180

gcttggagag gaagcttcaa tggaggaaaa gaaagaggga tagaaaggga gagggggggag   240

cacgaaattg aagtaagaaa aaagggagag aagtttaact ttgagttgtg tctcacaaga   300

ctctcattca tcaaagttac aacaagtgtt acacatgttt ctatttatag actangtagc   360

ttccttgaga agctntcttg agaaaacttc cttaagaagc ttctttgaga aaacttcctt   420

gaga   424

<210> 16899
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16899

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ttgtaggaaa catcaagtcc ttcaagtgac ttcaaattct caatcccatg caaagtagtt   120

agagcattgc tcctcaaaac tagtttaaca atatgacagg aaacctgcaa ggtccaacac   180

aattgtatat gggtctccag agcaaatccc taaatgaaag gcatacaact aaaacaaaag   240

atattaactt ttctacaaat aaattgctnt cattgcattt aaggatcctg tcattcaact   300

ttcaatcctg aaatatcaat tcattctcca tgaatcgcag aagtcagcac agcaagcaaa   360

taaagacat   369

<210> 16900
<211> 418
<212> DNA
<213> Glycine max

<400>   16900

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cttgatgaag gactggctac aaaggaagaa tcatcaaact caatgtgtga tccagtagca   120

tcagatggaa taagtgttcc aagagctggc attaggtcaa caatgtactc cctgaaattc   180

atatcattat caatcacaac ttccagatac ataataacaa ggctttgcaa ctcctactta   240

agaaacttac aaaaagaatg agagaacatt cagctatagg caatattaaa tgattaattg   300

aaaaaatgaa caaaatgcta caacaggaaa gtctaaccaa aacaaaagat actagtaacg   360

taacacatct tcaagtcagg aacaatataa tataacatag cttcaagtct gtacacag   418

<210>   16901
<211>   392
<212>   DNA
<213>   Glycine max

<400>   16901

ttcttgtctc agcgtctatg cgagacagaa accaacatgt tagctatcat cgccaagtac   60

caagaagagt tgggtctagc cacggcccac gagcatagaa tcgcggatga gtatgcccaa   120

gtatatgcgg aaaaagaggc tagaggaagg gtgatcgact ctttacacca agaggcaacc   180

atgtggatgg atcggtttgc tcttaccttg aacgggagtc aagaacttcc ccgattgtta   240

gccaaggcca aggcgatggc agacacctac tccgcccccg aagagattca tgggcttctc   300

ggctattgtc agcatatgat agacttaatg gcccacataa ttagaaatcg ttaagaaact   360

tgtatggtct ctcagacctt gactagatat ga   392

<210>   16902
<211>   418
<212>   DNA
<213>   Glycine max

<400>   16902

tgcttgtggg gcttctatgg aggctggatc tttgaacttc aatgaggtcc tttaatggtg   60

attttccacc atggagatgc agcggaagac aaaggagaag aggagagagg aggcgccatc   120

cactagggaa taagccttgg aagaaggagc ttcaccacca agatgagcct tgcataagaa   180

gcttggaagg atgcttcaat ggaggaaaag aaagagggag agaaagagag agggggagca   240

cgaaattgaa ggaataaaag aaggagagaa gtggaacttt gaagtatgtc tcacaagact   300

ctcattcatc aaagttacaa caagtgttac acatgcttct atttatagac taggtagctt   360

ccttgagaag cttccttgag aagattccta aagaagctag agcttagcta cacacacc   418

<210>   16903
<211>   391
<212>   DNA
<213>   Glycine max

<400>   16903

ttctttatct agtaaaatgc aatcttccac tttgcattta aaccacctaa accttagtga   60

taaaaattca atttccaata tcaatgcacc ttatctttta tcttggaact ctacaaaacc   120

ttacactttt atctttctat aatttaaaat tctcactttt cttttttact ttttgtataa   180

acttgtggga atgaaatttt agtagtgaat gaatatttga gaattggaga aactagaagt   240

tttggaggaa gaggtctact gtataattga tcaattcttg tttttttttt gcttgataca   300

gaaaaggaa attgaaaaat aacaaaaaat aattgaattc taacatatat gcactgattg   360

aactaatcat ctaaaattgt gctcgcagta g   391

<210>   16904
<211>   409
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16904

ttgaacaata tacttggcct tcatttaact gtctttgggc ttggtggcca cgctcaacaa   60

agtactttcg acacctactg tacgttgatt tcaccaatgc tgttatggga atgttgcgac   120

aatcctttaa aaccttattg atacattcta agaggttcgt tgtcatgtgg ccatatcgat   180

gtccttctct atcgtaagcc atcgtccatt tttcctttga gatgcgatca atccatgttg   240

ctatgtctgg actcagttca cgaaattttt ctaaattttg ataaaaaatg tgcttgcatg   300

gagtgtaggc tgcataaaat tagttatgaa taacaatntt aagtataaat gaaagtaaaa   360

taaacgtgac catcaaatat gaaatcttac ccaatttctt caacatttc   409

<210>   16905

<211>   393
<212>   DNA
<213>   Glycine max

<400>   16905

ttcttgtgac gttaaaaaag cacttgctgg gaggcaaccc aacttttctt tcccttcttt   60

atcttcattt ttatttcttg catgtagtta ggacatcttt cttgtgattg tgattgattt   120

cagcttgttt agtaatgaac aaaaagggtt tttaaattgt gtgtgaagag ataagcagaa   180

aatgacttag aaaaattttc agattgctta tccgctaagc acaaaccttg tgctaagcac   240

catctcttca tgcgctatgc cgagcttgct cgcgctaagc gcaaagaccc ctgattgatt   300

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tgcaccttaa gcaatgggct tagagtggat gat   393

<210>   16906
<211>   425
<212>   DNA
<213>   Glycine max

<400>   16906

aaactcagct tcttatccag gctcatctta gtggtgaagc tccttcttcc atggcttatt   60

ccctagtgga tggcgcctcc tctcacctct tctcctttgt cttccgctgc atctccatgg   120

tgtaaaatca ccattaaagg acctcattga agctcaaaga tccagcctcc atagaagccc   180

cacaagcaag cttccatcaa aaccttttgc tatttcaatt tggaattccc ttcctaaaat   240

actagagatc ttcttgatgt tgtatcttgt attcttggat tgttgtcttg aattaaacat   300

gagaagcgca ttttcataag acatcaaatc atcacgatca tatggcgtca tcaaaacatc   360

aaatgtaaag tctttgcttc tacaatctca acgtctttgc ttttacaaga ttgaatggtg   420

gatgc   425

<210>   16907
<211>   329
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16907

ttcttattct tgntgagtac tttgcagtcc tgtattgctc ctgcaaaata actcatgcct   60

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gcaacactgg ttttgttcct accttgaacg agttgaaggc aatctgtctc aaaaataaca    120

tttataaaat agaactcgcc tgccacttga atcgcccact tgtagcataa agcttctgca    180

gtccttggtt catatacacc accgtaacca ttatggtagc agctcccaga accagttttt    240

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caaagttaat ctttatgcac tgtagaggt                                      329
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<210>   16908
<211>   411
<212>   DNA
<213>   Glycine max

<400>   16908

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tgtagataac actgcggctg cagcattcat ttcttttctt ttccaacctc catcacccctt   60

gttgcccaaa ttcctttgat ctctaagtac atcaaccaat acacgttcca tttccaaatt   120

ccatgtaaaa taacttcttg tattctcatt atttttttcct aaaactttc ttttgtccgc   180

catttttttca ttacatgact ccattgaaga taatgtcact tattcaacct gcacataaca   240

aatagtagat atgacctact ttattcattt gactagtcca ctgcacaatc atagaaaata   300

tttcaagcaa atgtttttatg caatagcaca gtacataaaa gtctatcttc ataaaacag   360

tacaatagta actaagcaca catagtttgt caccaatagc agattacatt t           411
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<210>   16909
<211>   382
<212>   DNA
<213>   Glycine max

<400>   16909

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tgccaccaaa cgcgtgatgg gacattaaca attataaaaa aaagaagaat ggtgagactg    60

agcctaaaac cagccgggag ccgagcgacg cagcagtttt tattacatag cgaccggggt   120

ggagaggcac caacccagga caagaacgat cgcaacaacg accgtaatat atcgggaagc   180

acacaaccaa ctataggatc gcacgagaac cgcacaccat gggagagcga taacggggga   240

agaagaagaa gggaagccac aagaaaggag aaacaagctg gggagagcca cgacgcggtc   300

aggccggtgt tcggcgatcg acaggagacg gccaccgcaa aggagccaca catgccggag   360

acagctcaaa aggacgcggc cc                                            382
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<210> 16910
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16910

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gccgtgcctt gtactcgttt gcgncntcca naacacncga cccctggaca tatacttggc    60

cttatagaac tggctttttt tttcgcggtc aacctcaaca gagtgctatc gacacctatt   120

gtacaggggа ttctccaatg ctcctatggg aatgctgcta ccatgcttta aatacctatt   180

ggtacatcca tagacagtta tctgcatgag gccatagtga tgtccttctc tatcgcacgc   240

catcgtcctt gtttcctttg agagctcatc aatccatgta gctatagttg gactcaggct   300

acgaaaatac ttctaaattc tgataataaa aaggcctgcc cggagcgtat gctgcataca   360

attactttg attcaccatt ctaactctag acgaacagta tactaatcgt gaccctttca    420

tatgaagtct tatcctatct tcttaacagt ttttcttgac tgccg                   465
```

<210> 16911
<211> 386
<212> DNA
<213> Glycine max

<400> 16911

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ttcttgcatt cttctcccac aattttctat aaataggggg agaagtgaag tagaaaacgg    60

ttcatcccct tacgcacttc tctctctttc gaatttgctt acgaaaattg actccgtgaa   120

gaaaatccaa gccgaggcgc ttgcgtaacg tttccgtaac gttaccgtga gtgatttcgc   180

gaaggttttc gaccgttctt cgacgttctt cattcgttct tcaccattct tcaggcttca   240

acgggtaagt acctcaaacc aagctttt ct gttcattcta tgtacccgtg gtgagccaca   300

ttaggtttca tgcatttgta tgctcgatgc atttacttta tatacccgct tttgacatgc   360

tgaagccatt ctatttaagt catttc                                        386
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<210> 16912
<211> 400
<212> DNA
<213> Glycine max

<400>   16912

tgtagggtta aagtctcacg gttgtcacgt tctcgtgcaa caattgttag ctgtggctat   60

acgagacatc ttgccaaaca aagtcaggtt agcgatagct cgcctatgct ttttcttcca   120

tgctatatgt agcaaagtca ttgatccagt caagtttgat gagttggaaa ataaggccgc   180

aattatacta tgccagttgg agatgtattt tccccctgct tttttgacat catgattcac   240

ttgattgtgc atctggtcag agaaatcaaa tgatgtggtc ctgtttatct acggtggatg   300

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<210>   16913
<211>   488
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16913

cgtgcctttg atcgtcgacn tttgatagca taggacncac ataggacgaa tgacatgctc   60

gtaagcggag atgctcgaga tgcgttctgc atgcacgctt tctcgatgac gtggagtata   120

atccaaaggt gattcatgct accataacca ccttatgcct gtagaagagg cccttagact   180

atatgtgacg cgactgacct tgaatggact ctcacatgac aattgcctta cagacattta   240

ccactgcatc atatgctgat gactgtcata ctaaaccgtg ctattaataa cctagaagat   300

gctctgtaca ttcaaccttg cattaagaaa tgcatgacgc gattacttcc ttaactgacc   360

cgcaagataa agcaaatttt attccttgct cctaccggac cttaatggac tcgtatgacg   420

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gatcgtct   488

<210>   16914
<211>   478
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16914

agccagctgg catgatgcgt cgattgacnc cactggacan acangncaca ctatatgaaa   60

ctccagctat aacagggcct gcacaattta ctttcataaa atctatcgac agcgcgtgaa 120

cgactttatg caccttaaat gcaaatgctt ttttggataa ctctgctagg ccatgcacat 180

aggggcacgg gcttgctgat aaagaccatt gttcaatgtc acgaatcata tcctaccagc 240

gagctccagt tattacatca cacggctgag atagggaccc actcagagtg tctgtttatt 300

caccatgcca gatgcatgtg gcgtaattac tcttaatccc gatccacaat agatgctcta 360

ctatgtagtt ccacttttag cgacttctca ttatacgata aaagccaaga caataatctc 420

tttcgaccgt aacttaatcg attagatttg aggccaatcg caacaactgc ttgacgcc 478

<210>   16915
<211>   372
<212>   DNA
<213>   Glycine max

<400>   16915

ttcttatgtt gctagcatat agcatatcat caacatataa caccaagaat gagtatttac 60

tcccactaaa cttgtggtat acacaatcat caactgcatt tgcctcaaaa tcatatgagg 120

taatgacttg atgaaacttg tataccatt gatgggaagc ttgtttcaaa caatagatga 180

atttatttag tttgcaaacc atagactttg agtcacctga tacaaagttt tttggttgca 240

tcatataaat tgtgtcttca atgtcaccat ttagaaacgt agtcttaact acaatctaaa 300

agttcctata gcctccatcg caacctttt gccatcgcca acaaatatga atctttcatc 360

atcacttgac ag   372

<210>   16916
<211>   405
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16916

nttaaagcag cttttagata ctgcttccct catcagacct gtcaagcctt cagccactag 60

atcaaaaaga aggggtgcca aagggtcccc ttgtctcaac cctctttgag gtttgaattc 120

agaagttggg ctaccattaa caagaataga tatggaagct aaggtgagac aagcccttat 180

ccacctaatc catctctcat ggaaccccat tctcctcaac atatagagga gaaaatgcca 240

agatacagaa ttataagcct tctcaaagtc cactttaaaa accatgcaag acttcttgga 300

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tcttcgagcc tcctcaatca cctcattagc caccaaaact ccatggagca attgtctgcc   360

ttttataaaa gttgtctgcc tttcatctat aagataaggc atgac                     405


        <210>      16917
        <211>      353
        <212>      DNA
        <213>      Glycine max

        <400>      16917

agcttcctgc acaatgagtc aatgactaaa ttattaagag agttactcaa gctaccataa    60

ccttatcatg cctgtgtcag tggcacttac actaatcaag cgtcaagtac caaagaagca   120

ttagaaagga aagttagttt acaataatta tagccgcaag taatactgag tactgacaaa   180

aaaaaccata ctaagaataa attagaaaag gcacggaaca gtctaccttg catcaggaat   240

tccatgacag attacttcat taactgacct gttagataaa gcaaatttca ttcttaacat   300

ataccacaac gatatgagaa aaatatgaca ttacagaagg aaagtaccta cgt           353


        <210>      16918
        <211>      420
        <212>      DNA
        <213>      Glycine max

        <223>      unsure at all n locations
        <400>      16918

nttgtaactc cacctatatc tggccttcac attaaccaga cttaatacca ttgacaacag    60

catcaacaaa tttttgcacc tcgaatacaa aggcttcttt gaatcacttt gcaatgtatc   120

atacataggg gcatgtgctt gctgaaaaga ctcttgtcca aggtcacgaa tcatatcctc   180

caagcgatct ccaatttcta catcaaacgg tttagattgg gacccacttt gcatgtctgt   240

taattcacca tgccatatcc atgtggtgta attcttctta atcccatcac acaatagatg   300

ctctcgtatg tcgtccagta tttgtcgtct tccattcaaa caattaatgc aaggacaata   360

atattttcg tcctcattcg atcgacttct ttcggaggca aattgcaaga actgtttgat   420


        <210>      16919
        <211>      384
        <212>      DNA
        <213>      Glycine max
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tgcttgatca agggtaactt tgatgcatcc attaaggaag ggagaggtac aagctttgga   60

gttatcttca aaaacaacaa tggagaagtc cttgcagcag ctgcaaagat cctgccttat   120

tttccagcct catattaggg aggctatggc ttttcgctag gccattgaaa ctgctcattc   180

actacttctc cccttaacca tctttgaaac tgattgccgg agattattcc ttgcttggaa   240

agatagatcc tcagctgatt atagctactt cgatggaatc attcatgcta tgcccatgtg   300

ctacactagg attcttcaga ccttttaata gagctgtgaa ttctctagct agattagctn   360

tttttattaa tgattntgtt tgga   384

tatgctgcaa acatctacaa cagacctcct caacctcagc agcaaaatca gccacaacag   60

aataattatg acctctccag caacaggtac aatcccgggt ggaggaatca tcccaacctt   120

agatggctga atccttcaca atagcagcaa ctttgaaagc caatagttgc ttagtgttaa   180

aaaaaatata gagtgcaaca attatttaat aacactcggc gagtgcataa acaataaagc   240

tgaagtatag agtaactttg ctttgcaaag aaaaaataat gaaaaattaa atgtatagtc   300

caacaatttc tgcaaagttt cacgttagag attntctcat ttctttatga ttnttttcat   360

gtgttacttt gagatagaga ttgccttta taaaattcag taaatgattc attgtgggat   420

t   421

ttctttgatg caacatttgg agaggttaat gaaacaacga gatgatgcgc tccatgagag   60

gttggatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gagggaatga   120

tggtgttcct agacaaaacc gaattgatgg tattaaactc aacattcctc catttaaagg   180

aaagaatgat ccggaggcct acttggagtg ggagatgaaa atagagcatt tttctcatgc   240

aacaactatg aggaggacca aaaggtgaag cgtgccgcca tggagttttc cgactatgct   300

cttgtgtggt ggaacaagct acaaaaggag agagcaagaa atgaagagct ggttgataca   360

tggacggaga tgataaagat catg   384

<210>   16922
<211>   385
<212>   DNA
<213>   Glycine max

<400>   16922

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aaacttattg tcgtttgaat ttgctcagag ctttggtatt caatttcgag cgtctggata   120

tattacgtgt ctcaatcaga catccgagta aaaagttatt gttgtttgaa gttgctcaaa   180

gcttcaacat tcaatatcga gcgtctcaat atattacggg actcaatcag acattagagt   240

aaaaatttat tatcgtttga acttgcttag agcttcgata atcaatttcg agcgtctcga   300

tatattaccg gactcagtca gtctaccgag taaaaagtta ttgccgtttg aatttgctca   360

gagcttcggt attcaatatc gagcg   385

<210>   16923
<211>   390
<212>   DNA
<213>   Glycine max

<400>   16923

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atggtgtctc agctaacttg ctagtgtttt ttttgctttg gcttaatatt atttgatcat   120

gctctttaga acaatatgtt tgtatccatt gctcaatttc atcttaattg atatttctag   180

tcactttcat ggccacttga aaatttatta ccacaatttc aaatatctat gctgctcttg   240

gcttgttttt ctttagagat atattgcaat attacaacat ttcaaatgtc agtcagtgtt   300

tttgacagtg tactttgcat actgatgata atgttatgaa catggggctt ttctggaaaa   360

gattagatca gacaatcctg cgataccatg   390

7099

<210> 16924
<211> 357
<212> DNA
<213> Glycine max

<400> 16924

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atataacaag ctctgttgct ataagagggt ttctaaactg ggtgcaactt agatagacaa  120

atgaagatgg ctgtcaatgg catcaagaac aaaggtgaca gacatagatg attatttaat  180

tattattatt tatacaacat tttattgctt cgacatatat attttttttt actcgacgga  240

gtgtttcatt tacttatttt ttgtattcca ccactattta aacaacatgt gtctaatacc  300

tataaataac aactgttcga ttgattcata acacacatat ttggatttac accacta     357
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<210> 16925
<211> 377
<212> DNA
<213> Glycine max

<400> 16925

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tgatagcaaa tctcacatcc ttggccaaac gaagatacat ataccaattt aatataaatg  120

gagaataaat taccgttcta ctctgatcta caaatgctgc tgattccctc acttggccat  180

tagtgatgcc tggcatatat ttgcgctgtt tctgtactgg cacagactct ggagataaag  240

gttccttgat gtcttccgca tagtgtttca atgaatttgg agagtttccc tgttgacaga  300

gagcgatgat aaattaacag ctgacaatga aagctatata gatccgatca aaaagttagt  360

ctcatagata aaatcaa                                                 377
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<210> 16926
<211> 405
<212> DNA
<213> Glycine max

<400> 16926

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acaggtcctg tgcaacaacc ccaacagcca atgccaatga tgcagcagca ggtctgctct  120
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tgcacagagt ttccaatttt tttgtttgtc tctcacgtta ctcatctgca tgcatgcctg   180

atggtgagat actttcttat ttgtttgtta gatgcttcca aggggggcgtg tctatcgtta   240

ccctcctggc cgcaacatgc aagatgtccc acttcaaggt gtagctggtg gaatgatgtc   300

agtcccttat gacatgggtg gtctgccaat ccgcgatgct gtgggacagc caatgcccat   360

tcaagctttg gccacggctc ttgcaaatgc tcccccctgaa cagca   405

<210>   16927
<211>   200
<212>   DNA
<213>   Glycine max

<400>   16927

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gcgtgctcca ccgtccatcc ccgttcagac gccacgtgaa gcggaacatg gcccgcacga   120

acaagacata ggagatgacg actgacgcca cgaaggacat cactgacaag atcgactgcc   180

attctcaact aaccattaca   200

<210>   16928
<211>   416
<212>   DNA
<213>   Glycine max

<400>   16928

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acggtcttaa agatgaatat tcaatctcag cacttagtct tttctctcaa ggaattttgg   120

gagcttttta caactataca caaaatttac aaaaagcatt ttacaaaaag aattaatcta   180

tagcttttta aaaaaccta ggattctttt gtaagttttt gcttggatc ttcaaagctt   240

ctaatatttta tagctctcat ctttaagcgt tcattatctc acaatggatg aacttcttca   300

cttaagcttg cgtctaatgc ttatgatcga tggagcattc aatgcttaca ttaaatgcac   360

gtccctcctc atgcaaccaa accactttga gtggctttct tgtagagcac tgcatt   416

<210>   16929
<211>   354
<212>   DNA
<213>   Glycine max

7101

<400>   16929

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ggacatttat gatagaaaat gcatgttctt cttgtagatg acagaatgag cacagaacat   180

cttctaattg aattaacttt cgatggtagc ctattatgaa agagtctcca caagaggcaa   240

taaactttag gtaaggcacc caaattctag agcctactga agaaatgggg tctgcagta   300

acaccaccgt ccttgacttc cataattgca aaatatgctg aaccgaccat tagt   354

<210>   16930
<211>   415
<212>   DNA
<213>   Glycine max

<400>   16930

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tatgatctaa ttaatgacca aatttgacac attgaatgac cttgatcagc tatgcgtagc   120

cgtgccatcc aataccaaat gttatgtgct tcacttttaa aaattttact caaaaaagtt   180

aaaataaagt tttgccaaaa atggatattc ttactttata ccaaaactag taaattttat   240

cctatatgcc ttgattacta tgctaatctt cctaggatta gccataactt gagtaaacct   300

ctcatagagc taaattacgc tgccactcat tgcacaatgc aatcttgtca cggatggaat   360

tttcatttag acaattttca tatctctatc agttaagcta aacaaattat ttata   415

<210>   16931
<211>   388
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16931

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aagtacttca attccatatg cttagcaccc gtagagtact tgtcgttctt agaaaagaat   120

attgctgcgg agttatcaca atacattttc agcggcctag caatactgtc gacaattcca   180

agccctgaaa taaagttctg caaccaatta gcctaaattg tagcctcaaa acatgctaca   240

aattcagctt ccatggtgga tgcagcaaca actgattgtt ttgcactctt ccatgatatt   300

tctcctccgg ctaagagaaa tacaaagcca agagtggatt ntcttgtatc cacacatcca   360

gcaaagtctg agtctgaata tccaatca   388

<210>   16932
<211>   420
<212>   DNA
<213>   Glycine max

<400>   16932

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aaacactgac acagacacag acacgtggac atttgtaatg tccaaaatgt aggacacaca   120

cacacaaaat taaataaaat aaaattacat aaaattaaat atgagcgata tgcataaaag   180

atctaaattg aaaatcaaga tttatatatt tatcatcaca cacacacaca caaatatata   240

attaaataaa ataaaattac ataaaattaa atatgagtga tatgcataaa agatccaaat   300

tcaaaatcaa gatttatata tttattatca tctaaaaaga acttttccta tgataataag   360

tcacaaaaaa tactaagaga cctcattata caatttgtac gctttgtttc tttacaaaca   420

<210>   16933
<211>   387
<212>   DNA
<213>   Glycine max

<400>   16933

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ctagtcagtt tgtcagattg attgtgaagg aatgcattga ccgtatccca gtgagcgtgt   120

gatccttaaa ttttaagaga aatgactatc atttaatact gatttttgca agaatctctg   180

aagtatggac tgaatgcatg aattaaggat gatgaaggcc atgtttgatt gtgatagcca   240

cttagccaaa aagctgacca cgtgcttgaa tgatttatcc cttgcaccca gtttgagctg   300

aatgaattac taattgactg aacctttagc ctatacagtg ttatctcctg ctaccttgtt   360

ttaggttgta agagagcatc atccact   387

<210>   16934
<211>   414
<212>   DNA
<213>   Glycine max

<400>   16934

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acgagacatc ttgccaaaca aagtcaggtt aacgataact cgcctgtgct ttttcttcca   120

tgctatatgt agcaaagtca ttgatccagt aatgtttgat gagttggaaa atgaggccgc   180

aattatactg tgccaattgg agatgtattt tccccctgct ttctttgaca tcatgattca   240

cttgattgtg catctggtca gagaaatcaa atgttgtggt cctgtttatc tacggtggat   300

gtacccggtt gagcgataca tgaagatctt aaaagggtat acaaagaatc tatatcatcc   360

agaagcatct attgttgaga ggtacattgc agaagaagcc attgaatttt tgtc   414

<210>   16935
<211>   373
<212>   DNA
<213>   Glycine max

<400>   16935

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caattggtca cgcatacata tatatatata tatatatata tacacaatgt gtcaatgtga   120

agactacacc accacattct tggtgcaaaa atagtatata cactgataac caaggaccct   180

tttgtttctt acttttgcct ttaattaagt gggcgtgccc tcccaaattt aaaaagataa   240

agttagcata tggtagcaaa ataccttac aaggcaaaaa agcagcacgg aaacaaccat   300

ataaaagaga agcatgccga cggcaaaatc aacgtggaca gaatcaagag agtgacacat   360

tattatgaag tca   373

<210>   16936
<211>   408
<212>   DNA
<213>   Glycine max

<400>   16936

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ctccaatctt taatggagag ggttaccact actggaaaac ccgaatgcaa atttttatcg   120

aggcaataga tctaaatatc tgggaagcca tagaaatagg gccttatata cccaccacag   180

tagaaagagt ttcaatagat ggtagttcat caagtgaaag cataaccata gaaaaaccta   240

gagatagatg gtctgaagag gatagaaaac gagtacaata caacttaaaa gccaaaaaca 300

taataacatc tgccctagga atggatgaat atttcagggt ttcaaattgt aagagtgcta 360

aggaaatgtg ggacactctt cgattagcac atgaaggaac tacagatg 408

<210>   16937
<211>   354
<212>   DNA
<213>   Glycine max

<400>   16937

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cttaccaacc ctattctcct ttggggttat gtactttcta atctcctcaa tgatgaaaaa   180

attgatcaaa tgatcctcct tcactgggga gctcgtccct tcatcaacct tgggaacccg   240

aatctgcctt agagcaacat taccactatg aagagggctg actatttgat cctctagaaa   300

ctccttgtcc aacatggcgc ctatgattgt ctccattact tgaacttttg actc   354

<210>   16938
<211>   396
<212>   DNA
<213>   Glycine max

<400>   16938

tgccagaata atgggttgga ttcttatcat tctgtgtagg ttggtcatct tggtaagcct   60

tttgagtctc actagattct actcagcagg atttttcctc cacaatgaag atatatgcca   120

acacttctac aatctgaggg atgtttctga tggttttgat gtcaaatcat tctctgatag   180

agttggagaa gtgatagaca tgttggaagc tttgcaggcc aagcttgagt caaaagttca   240

agaaatggag aaaaacaaag gctccatgtt ggacaagaag tttctagagg atcaaatagt   300

tagccctctt ctagtgctaa tgttgctcta aggcagattc gggttcccaa ggttgatgaa   360

aggactaact tcacagtgaa ggaggatcat ttgatc   396

<210>   16939
<211>   364
<212>   DNA
<213>   Glycine max

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ttctttaatt tttggacctt tagatgcaat ttcataagtc atgtgaatgc ttaaagttgt   60

ttgaattgaa ttggcctatt tgtttggtta aactaccaag gtgggtgcat tgcgcatgaa  120

ttgttgtaga atatctaatt ctttctttca aaataataca catggagtgg tgatctttat  180

tagttgtatg tatggtaaca cctacaatta ataaagacca cacaaaaatt ggttgacttc  240

ttggttgcta tacttgggat aactaaaata gtattgttat gtatttcatg caaaatattc  300

tttatgctaa attntacttg aatgtgcctt tgtaggtatg gcttcgaaga agctatctac  360

taaa                                                                364
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<210>      16940
<211>      408
<212>      DNA
<213>      Glycine max
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taagcgcaac actcatgggc taagcacgac gaagactctg gaagaagata agttgtacag  120

gtttgctaag cgcaccactt catctcatta agcgcaccgc ttcagttcat ccgctaagag  180

agaaaggcac gcgcttagcc aaaattcact aatgtgcgct aagtggtcca taattgcgct  240

aagcgcacga gcacgaacaa ggccacctat ttaagcgtga aatcagattt tagaggtgga  300

gtttggactg ggattcagag ctttgcatgt ctagagtttc tagagagaga aaggtccaag  360

ctttagagag ttttgagagt ttttgatgtg tgaagatctg cagagacc               408
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<210>      16941
<211>      368
<212>      DNA
<213>      Glycine max

<400>      16941
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tcagagagat ggtatagctc aatttgtaag ccttctagta ggctatacaa cttatgaaga  120

tattctaatc agtcagattt atttttgttt acatattgac tcattattaa agaggagctt  180
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tgtggtctct attttaagag cttcaaacgc atcacacact tgagtggaaa actattaaga    240

actatatact attactccat gttacccttg aatctgatta tgatcactgg agatgttgaa    300

gaaatatatt cttgactctg ataatgttta cacattatgg atgaattagg aataagctca    360

tgatatgt                                                              368


<210>      16942
<211>      412
<212>      DNA
<213>      Glycine max

<400>      16942

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ataactccaa ggggtggttt taagtaactc tactggtttc taaagatatc atcctcttaa    120

gtaatacatt gtggcaataa gaactatcag caacaatgca ccactaaaag aggaaaactc    180

tagataaggc ttcactgtca tcaagcgagt cggagaccca gcatgaccat agattgacct    240

ccactcctta cgactcacat agacccgggt ataaggccta atatctcaat gtgcgtgcga    300

agtgtacgtg ccatgtgtgt gtaaaacaaa tatttctaac tatcaatgta atcgatagac    360

aaacacacat caaacacaac aacatagaaa aggttatata caaatatgga ca            412


<210>      16943
<211>      368
<212>      DNA
<213>      Glycine max

<400>      16943

ttcttatgag cttacataac ttacacattc gttgatgggc acttaagatg agtacattca     60

cacttactca catacttatt tttatagtta ctcttctaac tttatatact tatttgagga    120

cgttatgctt tattgtacat gtatgccttt atgccgtcct tataacgatt attctttttt    180

aggaatttat cataatcaca tctatgacgt gtgtctgttt cagattttag taaatacaac    240

attaatttag tatatctatt atattgatta aattcctgtt tttcatgtgt gcacggagga    300

tcattactaa ttatatatat tgatttgaac ggtcgaagtc ttttatttta taaattatct    360

ttcgtact                                                              368
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<210>      16944
<211>      359
<212>      DNA
<213>      Glycine max

<400>      16944

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ttcaaagaag caatgacgat ttaaaaaatg aacctaacct ttcaagttaa aaactacgat  120

atactattga agagtggagg cacaatcact aatcagcaat caattatagg ctacccaata  180

acaaattcaa gcatgatggt taaggtggaa cagaacaatt accctgcaac tgagctgagc  240

atacacgaag caataacaca ccaaccagtt acggtagagg tagtaatcgc aacatagtca  300

aagaaatcac gagactcaac cgagacacac gtgtgccaac aagtatcgac aagaacaac   359


<210>      16945
<211>      374
<212>      DNA
<213>      Glycine max

<400>      16945

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tacacttcac aattggtata ccaggataga gatcattatc tgaaatgtgg ttatttataa  120

gcaggccttt tggtatcggc aaactgacaa tgttgagtga gattgctctt actgcagtta  180

tttcaaagca tagtccaact tcatcaataa atgatcaaca aacacctagc acaccatcgt  240

cactgagctt tagctctta tctccaaact taactccaat aaaaatgagg agtttgagtg  300

atatttatac catgtttaat tattattcta tggaacaatt taaccttgaa taagcacgta  360

atgaaatgct tggc                                                   374


<210>      16946
<211>      380
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      16946

cactatacac aactcaagct tcttgagaga acttanaata aaagtattaa gtttaattga   60

tcatatttat aagcgactat aattcatact atgacccttt atgcttcccc ctcccttta  120
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tcacatagta acggtttgaa aacaagggtt gattcaatgc tggaacaaac aagtcatctt   180

caccatcact tacatagttg attgctaagt ttttgttatg aagaaaagga agatcccttta   240

tagcgtcgtc cttgaacaaa ccaacaaaaa aagtactaag gctgagcttc tttatcaagg   300

attactaggt aacacgcatt ccatggaaat ataaaatact ttgtcttctt atccatgtaa   360

tgtaaagcaa tagtaagaat   380

<210>   16947
<211>   367
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16947

agcttctcac tgtcaaagga accccttgc attttttcac aatttccttt ccgatctcca   60

ttagatttgg atattccttc tcttgacctt ccttaaatgc ccatctcaca aacagcgata   120

tacaattctc tggagaaagg ccctctaaaa cataagaggg aatagtgccc atcattgaag   180

caatggagtt acttcgcgtt gtcactatga ttntgcttcc cactgcacca acttttatta   240

aatttttcaa gtcaatccat tttgtataat catcattcca tatatcatcc aagaccagta   300

aaaatttctg aagagaaagc ttgtgtctaa gacgagtttg aagctgctca atatctaagc   360

tggtgat   367

<210>   16948
<211>   374
<212>   DNA
<213>   Glycine max

<400>   16948

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acattatcat actgatcaac aaattgcttc agagttgtta gccggcttac atatccatca   120

aaaaatgcat gcatgctttc attgtgtgga ataatagaca ttccagccca gaactcacct   180

cttacaaagg aaggagccca gcgatgtctc tcacagaaca actctttcaa ccatttattg   240

tccttgaggt caaaatcctc cacaatcttc tttcatttct gctcaaattc acttattgga   300

tgtgtgtcat atacaacatt ctgcaaatga tctcttaagg actcgtaata acatttccat   360

ggattagttg ggga   374

7109

<210> 16949
<211> 355
<212> DNA
<213> Glycine max

<400> 16949

tttcttatgc gcatattgcc ttactatcgt tcacttgcgc aggacattct atcatctaga   60

aaaaatgcac ccatatgcag tcaaggtagc ttggttacct agatgatata catgtactta   120

ctatgaggat ttgctattta catgacacac gcctacttgg ctgaatgtac atacatacat   180

actctaagca tttgggggta ccaaaaattg cacatgcgcg catattgata tgtctaacac   240

ccatacatat acaaacttca cgaagaatgt tgactaccta cacaatgagg tgctacattt   300

catgcttttt tttttaagat cttggctacc taaagcacca tgcaagatca tgcat   355

<210> 16950
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16950

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acttggcgac ccggtgcgct tgccggtata tcacttccct tttgatataa gtgtttgtaa   120

gtttaagaaa aaagaactgt gtggggaagc gaacaaagta tttttggtgc cgttgccggg   180

gaatttattt catttggaaa gtttaggtca gtttgaaggc attattgatt catttttttt   240

ctttgattca ttgattattt ttgtgaatat ttagttactg cacaatttat tgctctttgg   300

aattggttaa ctactattct gcttgttttg catgcaaaga aggtctgctg caagtgcttt   360

gatttccata gacttgaaaa ttaa   384

<210> 16951
<211> 362
<212> DNA
<213> Glycine max

<400> 16951

atcttgtaga atgggtagac atgatacatg tcagggtttg gtttggttca aggataaaag   60

ggatgcccca cattatctcc atgacacaaa tgcaaaaatg atgatttgga aacttcatgc   120

aaaactggtc atgcatgcac ctatgcggac actcaagcgt caaatttta tggtcatgtg   180

atgctagggc tcaggattca tttcctctat tttagtcaac ccaatatttc caaaatatgc   240

tcttttatca atttatgcat ttatcctagt ccatttcggg cgtctgggga aatttcacag   300

cattcaccct tcaggtgtag acacattttt caaaaattgg ttatgatcaa tgaattttt   360

tt   362

<210>   16952
<211>   351
<212>   DNA
<213>   Glycine max

<400>   16952

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tggacactta tctctgaccc aactacaatt cgtgcgaaag gtcggtcaaa atcaacaatg   120

ataaggaatg agatggattg ggtcaaacca tctgagcacc gacaaaatgt attacatgtg   180

gagccgaaga ccataacagg agtcgctgtc caatgcaatc taagcgcggg agttgttcaa   240

accattgatt tatgtatgtt agtcgactca ctctgatttg tttaagttct cttcaatgta   300

ttgaacttgc ggggttgaat caattcgtta gttataaaca ttacttattt a   351

<210>   16953
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<400>   16953

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gcacaacaag ttttccacat ccacaatgcg cgcataaacc caccatcccc tgttgcccac   120

ctccaactga gctcacgtac tcccacgtag cccatatcct cgtttctctc aacaccgggt   180

ccccatcaat cctcccaagc ttccacaaca tccaagcaaa acaacattca cacagcacaa   240

gctatcacat cctatcataa caaagcaaag gctgaaaact ctgccaaaac accaaccaaa   300

aatcacaagt ttttcccact caaagacccc aggaacaatt ccttcgatcc aatttgttaa   360

cc   362

<210>   16954
<211>   404
<212>   DNA
<213>   Glycine max

<400>   16954

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ataatttatc acacggatgt ccgattcggg tgcataatat gtcgagacgc tcgaaattga   120

acaacggagg ctctcgagaa attcaaatgg ctataacctt tcacacagat gttcgattca   180

ggagcatcac atatagagac gtacgaacaa cggatgcact cgagaaatac aaatggtcat   240

aacttttcac accgagttcc cattcacgct catactatat tgatacgttt gaaattaaac   300

atcggaagct caacgagaaa ttcaaatggt cataactctt cacacggatg tccgattatg   360

gagaatcaca tatcaagatg ctcaaaattg accaacgaag ctct   404

<210>   16955
<211>   366
<212>   DNA
<213>   Glycine max

<400>   16955

ttcttgtcag gtttcctaac tcttttggta tgttgccagt gattccattc ccttgcaaag   60

atctaataca agtataatat gcatcaattt actttcccgt catcaaaatt tgagttagtt   120

agaatgcaaa aataattttt agtattatgg agttgaccaa gattgtgtgg atttttgtg   180

atagaaatcc ttacagagct gtaagatatt ttaaaactcc tattattggg gtcaagtatc   240

ctgtgaatcc catatatgct agtgatctgc aatgaagcaa tttatatatt acacagcaag   300

caggaattca agatttaaaa atgtgaaata taacactttc tacaatgagt aatgacagcc   360

aacatc   366

<210>   16956
<211>   358
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16956

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7112

taacattgaa cttttgtttt ttcttcaaga taaaaaaaaa tctcatgaaa ctttgctata   120

atatactttg ttgatgcttt gtattccact attcatctgg agaaacatt atatctatat   180

tacctggtta acttatgaat gtgaatcatt ttatttcatt tcaggaaact aactttaagg   240

aatggaggca agtggtgaca gaaattaacc gtntcacgaa agttgacaag ggctttagtt   300

tcaggcccat gcgttattgt gccacatttg atactcatcg agcttctctt ccttatgt   358

<210>   16957
<211>   366
<212>   DNA
<213>   Glycine max

<400>   16957

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aacacttttc ttcaatttat ttttattatc ctaaaaacaa tgtatttttg tttaaaataa   120

attagattca tgttgttaaa tgcatgtttt tgttgtttta cattttata atcactgcat   180

acgctaaaat tcttttataa ttaatctcgg aatgatgctc cactaaaagt caaatttggt   240

cctagaaaag actcttgtca tgtgccttta tatattttcc ttttttttcca gttttatatt   300

attgagacat ggtgagggtg aatattaaaa cccaacaatt gttaatcgaa attttcggtt   360

ttgatt   366

<210>   16958
<211>   374
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16958

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tctgtaggtt cgagcgaggg gtttccggta gtattgaaaa caatatggga caatgtgggt   120

gtcgagggag cgatttccgg cagatttcac gcgggaggag aaagagaaga gcgatttcaa   180

gcaggaggag aaagagaaga gcgagtgcaa ggttttcgag cgcgcacgtt gtgaaatgtc   240

aatgtttcaa cttataaaca taacaacatc ggttttttaa ggataaccga tgttaaatga   300

atatagttaa catcggttgt ggcaaaacca atgttaacat cagatatgtt acatcgtgtt   360

tttataaaaa ccaa

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<210>      16959
<211>      369
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      16959
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catttgttgc ccaagtttca tggtcttgca ggtgaagatc ctcataagca tcttaaggag   120

ttccatattg tttgttccac catgaagccc cttgatgtcc aggaagatca tatctttcta   180

aaggctttc ctcattctct agagggagtg aaaaaagatt ggttgtacta ccttgctccc   240

agatccatct ccaactggga tgaccttaag agagtgttct tggagaaatt cttccttgca   300

tctaagacca ctgccatcaa aaaagacatt tcangaaact taatggagag agcttgtatg   360

agtactggg   369

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<210>      16960
<211>      351
<212>      DNA
<213>      Glycine max

<400>      16960
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ttgaatggac accacttcat tttggtcttc tttgtatact tcaccaaatg ggttgaagtg   60

ggtgcgtacg ccagtgtgac taggagtgtg gtggttaggt taatcaagaa agagataatc   120

tgctggtatg ggttacccag gaagattatc attgataatg ccaccaatct gaataataaa   180

atgatgaaag aaatgtgtga ggatttcatg atccaacatc acaattctac tccttatggg   240

cccaagatga atagggtagt tgaggctgct aacaagaaca tcaagaaatt agttagaaga   300

ttaccgggtc atacaaggat tgacacaaga tgctcccttt tgcactacat g   351

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<210>      16961
<211>      327
<212>      DNA
<213>      Glycine max

<400>      16961
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ttcttctcgg tacatcacgg gcctcaatcg tacacccatg tcaaaagtta tggccctctg   60

aattggacca tagcttcctt gttaggtttc gagcgtctcg atatattgtg tctgaatcgg 120

acatccgagt gaaaagttat dacaatttta atttctcgag aacttccatt attcaatgcc 180

gagcgtctct atatatcatg ggcgccaatc atacactcat gtcaaaagta atggccgtct 240

gaatttctcc agaacttcca ttattcaatc tccagcgtct ctgtatatat tgctactgaa 300

tctgacattc gactgaaaag ttatgac 327

<210>   16962
<211>   464
<212>   DNA
<213>   Glycine max

<400>   16962

cggtgcttga ttgtgtcgtt cgtcgacacc ccgggctcat ataatacgcc tgcatctatc 60

ccgcacctct atacgacttg cgagtagtgt agtgtgacca ggttcagccc cttgagctct 120

tctctctcta tacaaagctc ttacgaatat tgttgcacgt gaagaagatc cacgccgaag 180

cgctttcaga acgtttacgt gagtgaatgc tcgaaggatc tctaccgttc ttcggagatc 240

tttattcgcc ctacatcgac cctcagtgct caacgggttg accacctcga accaagctgt 300

aacacttcat tgtatgtacc cgcagtggtc cacacttggt ttcatgtata tttactctcg 360

ggtgcattta ctgtttatac cgccttttga cgagcttaag ccgtttfatt taagtcattt 420

ctcgcttaac ctccaataaa ctaaatcccc accgattgtg tgaa 464

<210>   16963
<211>   353
<212>   DNA
<213>   Glycine max

<400>   16963

ttcttgctgg cgaagacgtg ctgatgcctt ctgattgagc ttgaacttgg gcctgagtca 60

acccctgacc ctgggatctt cttctccttc tcctctataa aagcacggaa tactcgatat 120

ggcagataca cataccgatt ctgaaagcgg gaacgatttg cgacaattat ccgcccaatt 180

ctctcatcgc caaatgtcac cctctttcag acaattttcc ggcgcatatg gaaatccctc 240

gccggacatt tacggtgcca ctgcctgtac actcaacaat ccattattgc tccgcatctc 300

catctccaac tacatctaca tctcgaacgc tacttagcta gctagggttt atg 353

<210> 16964
<211> 182
<212> DNA
<213> Glycine max

<400> 16964

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ttcctacaat aatggggcat tcattattgc tttttttatat ggagagaaag tggcctccaa    60

gaggttgttg atgatgttgc tctctgagtt gatagcatgc aactgatgat ggaagttgcg   120

gcttgttgac gatgatatgg tggcaaccat acctgaaaga aatcaatggt gttggtcata   180

ac                                                                  182
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<210> 16965
<211> 370
<212> DNA
<213> Glycine max

<400> 16965

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atcttatcat atattcattg ttggaacgcc tacatttgcc acactccaag ttggtagccc    60

tggacatgag gaggggtgct ggaaagtcat cttaattgta gtcacccttg gcccaccta   120

gttgccgttt cttcgggctg ccttgattgc agtgttgaaa gggggtgttt agtcctacat   180

ggactagata tatgacttaa ataaagctaa taaagtttgg acaatcctca ccttaaatag   240

attgatatcc tttctctcat cttcaacac tatttctctc tctctctctc tctcttagtt   300

tctcttaatt ctactaaaat cattttcagc cacaatagat catagtcctt ggtcaattgc   360

tctaaattca                                                          370
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<210> 16966
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16966

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aaccaagtag gaggggggcaa ccttataaag aggtattctc tgttgtaatg tcattttaat   120

aagttggttg aagaaatact taagacataa taagtacaat aaaataataa tgtgaactgt   180
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ctacacccaa aagacaaaaa ttaaagatgg ccagaaagtt ctattatttt tcttgtgtat   240

cacataaagt aaccagttat ccatcaacta agatatcttt tgaagctaag aatcatagtt   300

tgagtntaag ggtgatttat ttatttattt tcttctttgc gatggactag gtggtcacat   360

caagatactg ggtttggtct aaccatattg ggtgaagtat aacgattctc agct   414

<210>   16967
<211>   372
<212>   DNA
<213>   Glycine max

<400>   16967

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agtggatggt gcctcctctc acctcttctc ttttgtcttt cgctgtatct ccattgtgaa   120

aaattaccat tgatggactt cattgaagct caaagatcta gcctccatag tgtggaagca   180

atgacttcca agattatttt gatgatgcca aagaatcaag agttaagcaa gttccaaaga   240

ataaggagtc aaaaagcttc aagaacaatc aagtttcaag attcaagatt caagaacaat   300

caagtttcaa gactcaagat tcaagaacaa tcaagatcaa gattcaagaa tcaagagaag   360

actcaatcaa gt   372

<210>   16968
<211>   368
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16968

tattgcatcg attatgtcgc ttagcgagat ctgcttatta tattacctgc aactcttcgc   60

acgcatattg ctgccaaaat ctgagcttaa cggcatggaa tggtgcttaa ctcaatcaaa   120

atgaagtttg gccgcaagaa gttcaactta gccaccatga ttggcgctca gctctatgaa   180

cttcagttct ggccgtaaag aattgggctt tgtgacactt agtcgcactt agccaaggat   240

aatgtatcgc ttaacggntt ggctgtcngc ttaccgaatt cagatcgaat tgaagttggc   300

ttagctcagc cttggctagc ttaacggacc aaatcatcct cagatgccaa ggtcgagcgc   360

taagcgct   368

<210>   16969
<211>   376
<212>   DNA
<213>   Glycine max

<400>   16969

ttcttgttac tattgaagaa gtttatcatg ttgtttcctc tatgaaatcg tataaggcac   60

ctgaacctga tgggtattag aaaatatttt ttaagatatt ttgggaaaag gttggagatg   120

atgtttggag atttgttaga gaagcgattc ataaggtatg tttgatgtgt aggctgctaa   180

gactattatt gtcctaattc ctaaaggtga ttctcaaaaa acatttagag tgtgtttgga   240

tagagaattt taacaaagga aagtaattta tcagagaatt taaatttttc taatctagaa   300

ttcattgttt ggatgttttt tttatgaaga atttaaattt ttggaatttt aaaacggaat   360

ttcaaacaac taaaaa   376

<210>   16970
<211>   400
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16970

ntgcggattt ggtcttcgcc agtgaaagga tcgatgtggg tccgaataga ggcacatttg   60

atcatcctac tangacgact gagaaaactg gggcaattga agagggtgag aaagagggag   120

aaacccatgc tgtgactgcc attcctatac ggccaagttt cccaccaaac ccaacaatgc   180

cattactcag tcaataacaa acctcctcct tacccaccac gcagttatcc acaaaggcca   240

tccctaaatc aaccacaaag tctgtctacc gcacttccaa tgacgaagac cacctttagc   300

acaaaccata aaaaaaaaaa aaacaccaac aaaaaggaat tttgcagcaa aaagcttgta   360

gggttcaccc caaattccgt ggtcatatgc taaacttgat   400

<210>   16971
<211>   346
<212>   DNA
<213>   Glycine max

<400>   16971

ttcttctaaa ggatgtgagc ttatttatga gagggtgta tgtagctaag ctctagcttc   60

tcaaggaagc tatctcaaag aagcttatca tagaagtatt ctcaagaaag cttctcaagg 120

aagctaccta ctctataaat agaagcatgt gtaacacttg ctgaaacttt gatgaatgag 180

agtcttgtga gacacaactc aaagttcaac ttctctacct ttttcttcct tcaatttcga 240

gctccccctc tctctttctc tccctctttc ttttcctccg ctgaagcatc tctacaagc 300

ttcttataca aggctcatct tggtggcgaa gctccttctt ctatgg 346

<210>   16972
<211>   305
<212>   DNA
<213>   Glycine max

<400>   16972

aagagaaatt caacgccaag tcccaatttt gaaaccatat atattgtcat ataacataat 60

cactttatta gaagcgcata agacaacata ctcacatggc ccctgtattt gtgagctcat 120

aggaaatcaa gcaagggcta ccaagaatcc ttgttgctca acataattga cgaaagtcgg 180

acaaggaaat gtggcattaa atggctcaaa tcaaccccaa tacaaaattt cattactcta 240

agcacattgc aaacaaaagc aatccttaat tacaatccag ggcagatgtt atttctataa 300

caaaa 305

<210>   16973
<211>   365
<212>   DNA
<213>   Glycine max

<400>   16973

tgcattttat ctttttttgga tgtttatgcc ctgacggggg gagtccttac cttggtaata 60

aaatattgac ctaattagca ttatagttcc tgaataatga tagtgttctt tttacattga 120

taaatgtaca tatttttttt ctccatatct tacactacat acttttatt ctatatattg 180

cactatcttt tatttataat tctaagctaa aggttatatt tttcgtttat acattattac 240

tacgtaaaat aacattatta cacaaattaa attatttgcc atatatttac tatatactgc 300

acacattttg ttggtagttt aagtgaatcc atactcaatc attacatgtc ttaagtttga 360

agtga 365

<210>   16974

<211>   387
<212>   DNA
<213>   Glycine max

<400>   16974

actgagttgc atgcatattt ttaccttttt tttttacaca atatcatcta cgatggcaat   60

cggtacatat ttctctactt ctcaactaat tggatgctgt catcctaccc cctctctgaa   120

tctttacaag cacaagatct aatatggggc ctagagtctc aactcacaac tgatgtatgt   180

acgaaaatat ccagtttac aatcttaata tctactagat tcacaaccga ggaggaaaag   240

taactccctt tccccagtga ccttgcatgc gtaaccagta tgcccatcat aaacgcatgt   300

gattcatgcc ttgtgtatgt gctgtgccct acaacttgcg gaattggggg taattgtgga   360

cgtaaatatc cactttaaaa ttaaaat   387

<210>   16975
<211>   372
<212>   DNA
<213>   Glycine max

<400>   16975

ttcgcatgct ttcttatggt tcgacttggg gcccgactta tacgagtaag atgatggcgg   60

tggatccttg gcgtgaggat tccttatatc gaaagtcttc ttggcggatg gtccacgcgg   120

cagcgtgagg atcccttgca tcaaaatcct tcttggtaga aaggtcacgc aacatgtccc   180

atgggtggag cggtggtgca agtatctaga gcatgtgggc tttaatggcc accttggaaa   240

tactcatgga tgaaaatggc ttctgctaga gggggagact accatctgga tgacactcac   300

actttatggg gagattatag gagtacacgt gtgaggtaaa gtctcacatc tcataagaat   360

gagaaagtta aa   372

<210>   16976
<211>   346
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16976

caatgcccgg catcagagat gcagtantca ccaccatctg tctgcccaag ggtgaactca   60

tcacatgcgt gccttgataa aatttctata actgtaaagc caatgagggt ctctttcttg   120

ccagtaatag tcttcacaaa ctccttctca gggttcttag ccaacacatc atattcagga 180

gaccctttct caagcataaa tctcctgcaa ataattggcc tattcaggat taaacctcca 240

tatggatact gtccaaggta acagcaacat gaagagttga agcaatccat ataagggtag 300

cggatgcttc aaccaactct tcccaggttt gcatctgttg ccacca   346

<210>   16977
<211>   365
<212>   DNA
<213>   Glycine max

<400>   16977

tttttggaag gatgcttcaa tggaggaaaa gtaagaggga gagaaagaga gagggcggag   60

cacgaaattc aaggaataga agagggagag aagtataact cttgaagtat gactcacaag 120

actctcattc atctaagtta caacaagtgt tacacatgct tctatttata gactaggtag 180

cttccttgag aagctttctt gagaaaactt ccttgagaag ctagagctta tctacacaca 240

cccctctcat aactaagctc acctccttga gaagctttct taagaagatt cctaaagaag 300

ctagagctta gctacacata cctctctaat agctaagctc acctccttga gatgagaagc 360

tagag   365

<210>   16978
<211>   368
<212>   DNA
<213>   Glycine max

<400>   16978

taaaacccct tgatcattac taaacaagct aaaattattc ttaatcatac agcaggtatc   60

ctaattacat gcatgaaata agaatgaaaa atagaaaaag ggaaagaaaa gctgggtggc 120

ctcccagtaa gcgctctttt aacgtcacta gcttgacgca tcgccctgtt atccatgatc 180

caagagagtt cctacttcaa ggaccttctt ctcaagtctc ttttcctcca tcacatgcac 240

tttaaaacaa acattttggc taggcggatc tttgtcctcc tggaacatat caaagctgat 300

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agtaaaca   368

7121

<210>   16979
<211>   698
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16979

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canntaagng tctgagatan tcncacgcca tcgagtcacc tctcgaggag tactcccctn   120

nnctagcaaa gcgcgnnacg catgttgttc tactnantgg catatgtctc tgatctatac   180

aggcntncat atgtaacagt aggcgatgta tacgccgcat attctacgta tcagatagtg   240

tgaggactac tatggttgtc tctcgattta gcgcagtgac gcgcaccatg tatattgtct   300

gagtcatcac atcctagctg tcaccgatgc tacgatattt gttacngttc acagcacgct   360

tgtgtatatg acgatagacc tacatcgagt agcagaataa tctcgtacga taataangct   420

tcattataca tactatgtca cacatacacg tggtgtgata gatgtctcta atactaggta   480

aagacacagt ttcttcaaac cagctctgcg atttgagaga gacctttaca ctaaatagat   540

ctctaccaca tctccttgcg gaaaagcgtc gtattactca attagataga ggttgcttag   600

tgcatacgta acattgactt gtgctgagat ggatagacta attattacat aggagagagt   660

gtcaacttag ataggctcca tacaatctat cgcatacg   698

<210>   16980
<211>   354
<212>   DNA
<213>   Glycine max

<400>   16980

aactcaagcg taaccttatc gctattggag agtcatattt gaacttgatg acggagcagc   60

aaaactatct gagagattac ggcgcgaagt atattcttcc tcgtcgacca tgcaaccctc   120

atcgaagtct tgagcatacc ttaaagggtc ataccccaag ccaccaacgg gatcgaaagt   180

gcttgttctc cttggcaagg aagcttcaat ttgagacacc ccagacccaa agctagcctc   240

gtctaagaga tgatgaacta ttctccatca cttcgagaga gctcatggaa tgaaagtaca   300

acaactcaat atctaatgct ttttgaagcc tttcttattc actacttttc actc   354

<210>   16981

<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16981

tgagcgcanc cattgacacg ngtgaatgca ttgattgatt cgttgaatac cacacgggaa   60

ttcgagatcc gttccagacg acctctataa tgccatgttg cacgctttct ttactcgcat   120

gtcctgacac tgggcgtacc tgatagtgag cctgggacta ataaagggga attctctaga   180

ggtgcaagag aagatgatgt ctcttctttg gtccagaaaa agcgcactaa ggcaccggta   240

gtttgtaatt gtgactttga taatactctt agaaacttaa tgggaacaac ggctatatag   300

acggttcgaa tgctgaccat atcataacgc gactgatgac atcagacaac gtatgagttc   360

gagcacactc cacatgtata gcctcttgca tttgttggat gagattggct gacctctatt   420

tggaggaact cgcaaatgaa tgatactacc tttatcatac tgggag   466

<210> 16982
<211> 391
<212> DNA
<213> Glycine max

<400> 16982

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ccaatcttta atggagaggg ttaccactac tggaaaaccc gaatgcaaat ttttattgaa   120

gcaatagact taagtatttg ggaagccaca taaatagggc catatatacc taccatagta   180

gaaagaatta caatagatgg tagcacatca agtgaaagca taacaatata aaaatctaga   240

catagatggt ctgaagagga tagaagatga gttcaataca atctaaaagc caaatacata   300

ataacatctg ccctgagaat ggatgaatat ttcacggttt ccaattgcaa caatgctaaa   360

gagatgtggg acactctaca attaacacat g   391

<210> 16983
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 16983

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atgtcttcct ctaaatcccc atgcaagaat gcagttttaa catctaacta ctccaagtga   120

agattctctg cagctacaat actcagaata actctgatgg tagtcatctt tacaactgga   180

gagaagattt ctgtgaaatc aattccttgt ttctgctgaa accttttcac cacaagtctc   240

tccttgtatc ttcttctatc gtcggatttt tcctttaacc tatagactca cctattctgt   300

aacgctgtct ttccttctat aaatttagtt aaagaccacg tcttattctt ttgaaggggt   360

gtcatct                                                            367
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<210>      16984
<211>      388
<212>      DNA
<213>      Glycine max

<400>      16984
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catgggccac tttgggatag acaagaccct tgtcttactc aaagaaaagt tttattggcc   120

ccatatgaag aaagatgtcc ataagcattg cactaggtgt gtggcttgtt tacaagccaa   180

gtctagggtg atgcctcatg ggctatacac acccttaccc atcccagctg caccttgggt   240

agacattagt atggactttg tccttgggct tcctagaacc caaagaggtg tagactctat   300

ctttgtggtg gtggataggt ttagcatgat ggcacacttt ataccatgcc acaagatgga   360

tgatgcgttc cacatctcaa aactcttt                                     388
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<210>      16985
<211>      353
<212>      DNA
<213>      Glycine max

<400>      16985
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gcggtttgtc tataataaaa tcaaatgaca tctattaata tgcctgtccc aaccaactgt   120

ctcagatttt gtgcatatga catactgtgt tcttgcttca gttccacgta ttacaacagt   180

ttactagaaa atatcattga cattaaggtc cagagcaaaa aatgcacatg ctttttatata   240

aaagtgtccc cctcctccct ctctctttta gtaaaagaga gttatatcca atattgttga   300
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attcagttcg tgaatactaa cagacaatat gcaattaatc aattatacta ctt   353

<210>   16986
<211>   364
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16986

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aatgttactt cctcactaaa gcggtgatct atctccacac atattttatc aatagcaaca   120

taaaaaatct ttgcacggta atgatgaaga ttagtgatag tcatcccttc tgctcttgaa   180

cgaccccgca ccgggatttc gtcatccata tttggtaccg gaatactttt agctacacaa   240

aatacttgga cattggcaaa aaaatattcc agccactctc tctcattgtg cccaaccgag   300

ctttgacaac atcaactaat tgcatggcat tcacagtatt aagaaccttt tcttgcaata   360

catt   364

<210>   16987
<211>   358
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16987

ctttcactcg catgtccgat tcaagcgcat agcgtatcga gacgctagaa atctaacaaa   60

ggaagctctc gagaaattca aatggtcata acttttcact cgcatgtccg attcaggcgc   120

ataacatatc gagacgcttg aaattgaaca actgattttc tcgagaaatt caaatggtca   180

taacttttaa ctcgcatgtc cgattcaagc gcataacata tcgagacgct cgaaattgaa   240

caacggatgt tctcgagaaa ttcaaatggt cataactttt cactctcatg tgcgattcag   300

gcgaataact tatcgagacg ctcganattg aacaacggaa gctctcgaga tattcaaa   358

<210>   16988
<211>   368
<212>   DNA
<213>   Glycine max

<400>   16988

ttacagcaga ttttagtaat gacccactaa ccttttttaa aataacttaa tgccattaac   60

ctagggaatt aaaaaaactt aatggctagt gtaactgaaa ttgtggcaac caaaagtcac   120

ccccaacagc caacaagtca gccaccattt ggtctcccaa aaggctgatg cctatgttgc   180

caattgggcc cttattacaa cttgaactaa acctaactaa agcccttta gttgattaac   240

ccaaaacata tttttggtca gccaactta caaggattgg gccattattt agacaaacta   300

aacactctaa aattgaaaca aagtggtgtc atttattcct cctccatttg ggccatgata   360

caactcac   368

<210>   16989
<211>   374
<212>   DNA
<213>   Glycine max

<400>   16989

agcttattta gcctatagtc taaaatactc tgtcagggct acctccttat ctgggggcat   60

cctgctcttt tcttataaac ctcacaccag aatcccatgc ttccaatgtg gggctcaagt   120

accatacctt gcaattgtaa cctaacaaaa cctatcaatc tgctgctgtg tttagaaact   180

ccttcacaat caactatcta caagcttaat ccagctaaga tcaattgaaa ttaaatccaa   240

agagtaaaac cataacttcg gagccataat gtctttcaaa tagcacctgt aagtcagtat   300

ctggtctgtc tacatcattg atttaaggat tttccccaca ccaccaacat tccacagctt   360

agccatacat ttaa   374

<210>   16990
<211>   393
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   16990

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tgcatggctg ctcctccatt tgggaagaat atatgtgcct atgtaataat ggatttggcg   120

ctaactacgg tcttgctgtt cccttcacgg acgtggaaac tctgccacag tgccacagta   180

tctcggctnt acaaaatatt aaaattgtaa tttcaaaacc atattatctc tgttctatta   240

taattaanaa aaatatgcca aaaatagtga tcattttaat tctttaatat accattactt   300

atcttttttct actcatatga tgaatgttat aaaagtgttt atgtttattt ttataaaaca   360

gctctaaatg attttatttt gagatgggga aat   393

<210>   16991
<211>   374
<212>   DNA
<213>   Glycine max

<400>   16991

tttttattgc tgcttaaagc atgtgtgata tacaaaatct gaagatccta atgagtggtg   60

aatttgatat gaaagatcta ggggctgcaa agaaaatctt aggaatggag atctataggg   120

atagaactca gaaaaggcta tttttgtctc aaaaggatta cattcagaag atacttgtga   180

ggtttggaat ggctaactct aaacctatca gcactcccct ttcagaaaaa gagaagttgt   240

ctgttatgat aaagattcaa gctcaggctg atcaggatta tatgtcaaag gtttcatact   300

caagtgttgt tggcagtctc atgtatgcca tggtctgcac aagacctgac cttgcttatg   360

ctgttagcat ggtc   374

<210>   16992
<211>   392
<212>   DNA
<213>   Glycine max

<400>   16992

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aattgtctgg tacggggggtt ttctgtgaag cttttaaacg tcttacattg acaattgcat   120

gtattatctg ttggtaccgt aatattaaaa ggtttcttat attagacgtg ccacctaaaa   180

caactcattt attcaatatt aatgatttgg ttaccctcga tacaatttac tcaattatga   240

ccaattaaag gctagcaatt gtctgctacg gtgtttttttg tgaagctttt agacgtctta   300

cattgacaat tgcatgtatc atctgttgct accgcaatat taaaggtctc ttatattaga   360

cgtgccacta aaaacaactc atttattcaa ta   392

<210>   16993
<211>   379
<212>   DNA
<213>   Glycine max

<400>   16993

atctttacag cttattttag tatttaccca ctaacctaga attaaaataa cttaatgcca   60

ttaacctaag gaattaaaaa aaaacttaat ggctgagtgt aactgaaatt gtggcaacca   120

aaagtcaccc ccaacagcca ataagtcagc caccatttgg tctcccaaaa ggctgatgcc   180

taggttgcca attgggccct tattacaact tgaactaaac ctaactaaag ccctttagt   240

tgattaaccc aaaacatatt tttggtcagc caactttaga gggattgggc cattatttag   300

acaaactaaa cactctaaaa ttgaaacaaa gtggtgtcat ttagtcctcc tccatttggg   360

ccatgataca actcacaac   379

<210>   16994
<211>   387
<212>   DNA
<213>   Glycine max

<400>   16994

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gagacaaaag ctggtgcaaa tcaaaactcc gatatctcat gggtggaatg gatgaatgca   120

tgaaggaatg catataacac agatgtaatc taggaatgcg ggggtccggg gaattcgtcc   180

ccttcttaga cacaatgtct aggggtagca aagtgcccca acgtacgttt ttaagaaggc   240

gacacggacc ctccgttggt ttgtatacag aagggatcaa gacagaaccc atatgcgatg   300

cctatgcaaa agacacaatg cgggaatgta cacagtatga taatattcac tgaacataag   360

caaaagggta tatgatactt atgcatg   387

<210>   16995
<211>   377
<212>   DNA
<213>   Glycine max

<400>   16995

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tcttcgtagt tttgcattga tgttctttta taaacataac cacaacctct cttaggatct   120

taaggtgtta cactttcatt ttgggtaaat aagttagata catcattgcc tttatgctac   180

tgtattttct acttgcaaaa acttgctagg ctatgaatgg aggaacaaat cataggacat   240

7128

aaccttttaaa attgtgtgta acttttcgtg gtttaagtgt ggtttctcct aatcaacgtt 300

ttaaattgca gttacagttg tgttttgatc cctgtctcta tttctatctg ataaaaataa 360

gtaaataaca cataaaa 377

<210>   16996
<211>   392
<212>   DNA
<213>   Glycine max

<400>   16996

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ctcgtctact ttcagtattc tttttcttca ttttaagcga gtttcgaccg atcgtttaag 120

ctgtaatctc agttaatcaa tgttaaaatg aattttgacc gatcgtttgc gttgtaatct 180

catttaatca cctttaaaat aaaattcaac cgatcgttta tgctataacc tcggttaatc 240

atcaaaaagg caagtgtcaa ccggacattt gctttgaaag ttctctttta atgagttgag 300

aaataaccaa gtgaaactaa ggctaaaatc aatcacaaat caagctctgc ccacaaaagg 360

tcatttgaac cgtttaaggt ccaacccctta at 392

<210>   16997
<211>   377
<212>   DNA
<213>   Glycine max

<400>   16997

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gctatacgag acatcttgcc aaacaaagtc aagttcacga taactcgcct gtgctttttc 120

ttccatgcta tatgtagcaa agtgattgat ccagtaatgt ttgatgagct ggaaaatgaa 180

gccgcaatta tattgtgtca gttggagatg tattctcccc ctgctttctt tgacatcatg 240

attcacttga ttgtgcatct agtcagagaa atcaaatgtt gtggtcctgt ttatctacag 300

tggatgtacc cggttgagcg atacatgaag atcttaaaag ggtatgcaaa gaatctatat 360

catccgaaag catctat 377

<210>   16998
<211>   321

<212>   DNA
<213>   Glycine max

<400>   16998

gaacgaggct gaagaagctg ctgctcatgt tcttcaagat tctgtggaga ataatttatc   60

tcatcctcat tcgtcacaag atagagacat ggaattggtg gtaaatattt gtcacaacac   120

agtacttgta tttcaaccta agttgttgca gcactccatt gttatatatt acaattattc   180

atgtttggca tctgcatgga cggccctgca accgttgctc cagcaataac gctgcataac   240

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<210>   16999
<211>   375
<212>   DNA
<213>   Glycine max

<400>   16999

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tgtcaatcct taccctcgga agcaaaaaaa gaatagaggg gaaatttcca atcaaagaaa   120

aagagaagga aaatttccaa tgaaagcaaa aaaagaaaag aaggaaaatt ccccaatcaa   180

agagtgggag aaagcaaaaa gaaaagaaag gaaaattccc aatcaaagaa tgggagaaag   240

taaaaaaagg aagaagaaga aggaagaaa gctcctgatc aaggatcgaa agaaaacaga   300

agatatgtgc agagaggtct ttggaccgga caatatctga acaatacaga attgccacca   360

aatgaacgaa aaaag   375

<210>   17000
<211>   405
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17000

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tgttcttgta tatgcaaaac tcgaatatga gatgctggtt aatggatctc aacttcgntt   120

cacttgaacc aacataatgt tggttgagat tcatggtttg aatttatttc tagactgaaa   180

7130

aatttaaaaa gaattataaa tataaaatta aaacatctat taattaagat attaaatttt 240

attgaaaaaa ttaaacaagt tcaggtatac atgaataata tctagaatat taataattgg 300

ttctattact gtacctttat aataaatagt caaagacatg tccaaacaaa tggtttttat 360

gacgaataat actactcatt taatccaata ataaatatta attac 405

<210>   17001
<211>   371
<212>   DNA
<213>   Glycine max

<400>   17001

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ggggcctatg caagttgaaa gccttggagg aaagaggtat gcctatgttg ttgtggatga 120

tttctccaga tttacctggg taaactttat cagagagaaa tcagaaacct ttgaagtatt 180

caaagagttg agtctaagac ttcaaagaga gaaagactgt gtcatcaaga gaatcacgag 240

tgaccatggc agagaatttg aaaacagcag gttcactgaa ttctgcacat ctgaaggcat 300

cactcatgag ttctctgcag ccattacacc acaacagaat gggatagttg agaggaaaaa 360

caggaccttg c 371

<210>   17002
<211>   360
<212>   DNA
<213>   Glycine max

<400>   17002

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aatttattgt cgtttgaatt tgctcagaga ttcaacattc aatttcgagc gtctcgatat 120

attacgggac tcaatcagac atccgagtaa aaagttattg tcgtttgaat tggctccgag 180

cttcaacatt caatttcgag cgtctcgata tgttacgaga ctcaatcaga catccgagta 240

aaaagctatt gtcggttgaa tttgctcaga gattcaacat tgaatttcga gggtctcgat 300

atcttacggg actcaatcag acatccgagt gaataggtat tggcgtttga attggctcag 360

<210>   17003
<211>   369
<212>   DNA

7131

<213>   Glycine max

<400>   17003

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ctctaagtag taagtataaa tctagggatt gcatctttaa ataattttcc aagttcttgt   120

taaatatttg ttagatggat ctaattaaaa aaaatattag ttcaagaacc tattaaataa   180

gtaaactatc aacctgatcc ctgaataatt tgaaattctc aattaggttc ctatacttaa   240

acgaacccta atgaaaatgt tgccaaggat ccaattagaa ataatttaca tgtttagggt   300

tctaaatcta attacagact tttaaaagta caggaactta tctaaaatcc ctaaaatagt   360

tcagaaacc   369

<210>   17004
<211>   576
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17004

acatcgctac acaattatng taactgtaca aaccgngana gtacggatga cangtancnc   60

acaaccacca acgcagagat gatacgagac atcacaacca caaacataca aaaactcaag   120

ccacgcgagg caacgacaag caacaaattg ttcctttcga ctacgacact ccaaccggag   180

aaagagcgaa aaacagaacc gaacgcccgc accgacaatg acgcaaccgg cacgacgcac   240

tccgagaaac cgaccaccaa caaacggcga gcacacacac ggacgcgcgg aaggccggcg   300

gacatcgacc acctcgaaca caccacgcac aagacaaacc gaccacgcgg acgcctgaac   360

ggacagacct acgcaagaag cgcgcaacga acacccgcga tgcaacacaa cgcaaacgaa   420

cagcgaacag cgtacagcaa cgcactgcag gagagcacac cgcacacaga acaaaccgcc   480

gcgagagaag acacacacga gacagaaacg ctgcgcccga atagagcggg cggaacggaa   540

acgagtgcta caggcaccaa cgacaacaac tacccg   576

<210>   17005
<211>   370
<212>   DNA
<213>   Glycine max

<400>   17005

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atcttcgata ttgttctaag cactgtcggc ccaaagggag aaagattaag atgaccctca      60

atccattatt cataactcca ttgattattt ttatttaaga actttaaaga aatccatttt     120

gtatttttat ttaacaacta caaggaagag aagatgaaga atgcatggat tgcactttt      180

gtgcaaccac atgttttttt atcaagaaat tcacacagct gttggaaagg aaacgaaaga     240

aattccactt accattattg aaagaactaa tgcagttctg atagtattat aaaagcgaag     300

atcttataag agaatgaaat cctttggag tgctataata tggtggtaga attattccta     360

catatgacat                                                            370
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<210>      17006
<211>      388
<212>      DNA
<213>      Glycine max

<400>      17006
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tacctggaga tatgtcgcga gggtcaagag accttgggga cgtcagatgg ggtgctattg     120

cccaaaacca agcttgacca atcccgaccc aacccggaca tagtcagtca gtgagaacct     180

gtgatgtacc taaacaggtg agctcctggc agtcaaccga taaaagaaca aagaccacaa     240

agcacggagg cttgtgtggt ggctggccag ctatggatct tgagtgatat ttggaatatg     300

gcctctggta gtcgattacc aagggtgtgt aatccattac aaggtttata aatgaagaca     360

ggaagttaag atggcctcta gtaatcga                                        388
```

```
<210>      17007
<211>      372
<212>      DNA
<213>      Glycine max

<400>      17007
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aagcggtttc taatgactcc tctgcggctt ccacataagg catagaggac gggcagctca     120

ccaagaggtc ttcctcgcct gacacgatga ccaaatgccc ctccactacg aatttcaact     180

tttggtggag tgtagaggga acaactccca ctgagctgat ccacgggcgc cccaacagac     240

agctgtaggg ggggttaata tccattattt ggaaggtgac ttgacaggtg tgagggccta     300
```

tttgtactga gagatcgatc tctcccctaa cctctcggcg ggtgccgtca aaggcatgaa 360

ccaccattga ac 372

<210>   17008
<211>   396
<212>   DNA
<213>   Glycine max

<400>   17008

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ctcggaagca aaaaaagaa gagaaggaaa atttccaatc aaaggaaaaa agagaggaaa 120

ggaaattccc aatcaaagag tgggagaaag caaatagaaa agaaagaaaa ttcctaatca 180

aagaatggga gaaagaaaaa aagagagaag gagaagaagg aaagaaagct cctgatcaag 240

gatcgaaaga aaacagaaga aatgtgcaga gaggtctttg gaccagacaa tatctgaaca 300

atacggaatt gtcaccaaat gaacaaaaga aagaaaagga aaccataacc taaaagtggt 360

cttctccctt tgattaccaa ccaaaatcct gtgcgt 396

<210>   17009
<211>   348
<212>   DNA
<213>   Glycine max

<400>   17009

tttcttctta agcctttatg gtcttaaaca gcatatggat gatgattgaa aggagacctc 60

acatgcgagt atataacatg taactctcac caaccatgga tacgactttg ctctactcta 120

gaacgccaag agaagtccac gaatcccccta aactacctgg aaatgccctt ggtcgggtta 180

tcaccactca tcatcccaag tgtctttgaa tcgttcaaac cgtctcctag gggacctata 240

ttatatctca tccatcttct cttaacgaat cctcactcat ccttcatgat gaaaagcatc 300

tatcctcgaa cgatgggcgt gtcagtacat gggaatagac gctaaaga 348

<210>   17010
<211>   369
<212>   DNA
<213>   Glycine max

<400>   17010

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ctcagcttta aaacaaatgc ttcattattt cctaatattc atgagaattt cgacgcatca   60

accagaatca agcccaagtt attgggcaag caatcaatgg ggctaaacac accaaatgat  120

tatgatgatg gatggctcaa attctcacaa aggtaaactt atcactttca aaatgagctt  180

tcaaaactat catgacatgt aaatgaaaat caaggaattc aagtcacaac atgccaaaaa  240

cttttatttt caaaacaatt acccatttct tgaacatatc ctataattca gagataaaca  300

tgcaaagtcg tacatgcaca caaaattgac ccataatatt aaactaacaa tccgacgaaa  360

ctaacaaca                                                          369
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<210>   17011
<211>   360
<212>   DNA
<213>   Glycine max

<400>   17011

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ttcttttgtt ccttttttat aaaaagagaa gttctgaaac tcatcacgtt gtctagaaaa   60

gccttgaggt ggatccaagt gctctctgat cattcattag catattcatg ttttggtggc  120

atactcacca ctgtttgttt ctttagggaa ctcaccataa ctaaaaaagc gcaaaggcac  180

ccctataaca cccgatccag aagtaagatg gataacgaag agggagtgca agaacagatg  240

aaggccgacc tatcggcctt aaaagatcag atggcttcta tcacggaggc catgctaaaa  300

cttcaaaaaa ctatagaaga taatgctacg gcggccgctt ccaatacaac tagggaagcg  360
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<210>   17012
<211>   393
<212>   DNA
<213>   Glycine max

<400>   17012

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tatgctgcaa acatttacaa tatatttcct caaccttaac agcaaaacca acctcagcaa   60

aacaattatc acctctccag caatagatac aaccttggat ggaggaatca ccctaatctc  120

agatggtcta gccctcaaca gcaacaacag tagcctgctc cttccttcca aaatgctgct  180

ggcccaagca gaccatacat tcctccacca atccaacaac aacaacagcc ccaaaaacaa  240

ccaacagttg agacccctcc acaaccttcc ctcgaagaac ttgtgaggca aatgactatg  300

ccgaacatgc agtttctgca aaagaccaga gcctccattc aaagcttaac caatcagatg  360
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ggacaattgg ctacccaatt gaatcaacaa cag

<210>   17013
<211>   375
<212>   DNA
<213>   Glycine max

<400>   17013

agcttgccca gagaaggagt ccacggagga aatgcttacc acctcaaaag actggaaagc   60

ggtttctaat gactcctctg cggcttccac ataaggcata gaggatgggc agctcaccaa   120

gatgtcttcc tcgcctgata cgatgaccag atgcccttcc actacgaatt tcaacttttg   180

gtggagtgtt gagggaacaa ctcctactga gtggatccac gggcgcccca acagacaact   240

gtaggggtg ttaatatcca ttatttggaa ggtaacttga caggtgtgag ggcctatttg   300

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cattgaactt ggctt   375

<210>   17014
<211>   412
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17014

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taccttctgt aacctttgtg ctagcagtaa ttctcaggtg acattcaatt ttctttttaa   120

agcagaatat atgatacttt aattactaac taaatcccaa gagacaatag caagtaatat   180

tcccaacatc acatgcatgg cttttcattt tgtaaaaagg ttgggggtac cttgtaccct   240

tctaaaatgt tttcattttg gcatgtatgc atgctttttc ttttacgtct aaacatcaca   300

tcctttatct ttcagctcta tttttattat tttttaatta tcttgacact ttttctcagg   360

caagcgctac aaagagaaac tanaattagt aaggaaataa tttatatgta at   412

<210>   17015
<211>   366
<212>   DNA
<213>   Glycine max

<400>   17015

agctttgaaa attttgggag ttgtgagtgt aactgatgtt acactcactt aagcagtttt   60

cgtgcttctt actaagcgag caactgcgct aagccgacgt ttcagattca aaatcagttt   120

tcttttttttt tttaacaaac aaaagcttgg cttagcgctc agataaaacc gcttagcgag   180

ttatgcaaat caaaaaacct gcaactctcg ctaagtcggg ctctctacca gcttagctaa   240

aatgatgcat tttaagtaca gaggagcatg cgcttagcgg aaaaggactc gctatttctc   300

acattgccgc aaggaattca gcttagccgc catgactggc gcttagcttc atgaaccccca   360

gttctg   366

<210>   17016
<211>   406
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17016

tcttagtttc agatgatgca gatgggttgg tagctacctc atgcactcct ctaatgacta   60

tggcatcatt tctggcacta aactgctggg agttggaagc catcttctca attaaatttc   120

tggcttcagc aggagtcatt gtctccaagg ctccaccact ggcagcatct atcatacttc   180

tctccatatt actgagtcct tcataaaaat attggagaag aagctgttct gaaatctgat   240

ggtgggggca actggcacat agtttcttaa atctctccca gtactcatac aggctctctc   300

cattgagttg cctaatacct gagatatcct tcctgatggc tgtggtccct gaagcaggga   360

aaattnnttt caagaatact ctcttaaggt catcccagct cgtgat   406

<210>   17017
<211>   375
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17017

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tcagttctag attttttcctt acaagttcta ctactaaaat tgcgatacgc ggtcaactaa   120

accccgaaaa gtaataaaat gatcaaaagc tatttttttg gttaaataaa aatgtccttt   180

7137

gaaaatccaa gttgttattt atttgagttc aacattctaa atgttgtgtg acttacataa   240

aaatattagc atatcttgag ggactaaatg acaatgagta ttaagtttag gaattatact   300

gatacagnga ggaatctcat tatttacttt tatggattaa attaacacta tctcacactt   360

ttacgaaaga atttg   375

<210>   17018
<211>   371
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17018

tggcatagca caaatgtgac gagagattgg tgccttcttt aattatgcca atncttctgc   60

tacaacgtca gattctttag catatgagac tttttatata tagctgagca aatacaataa   120

atagcatagc atattactat tagcataatc aatattgtcc tttaaaagat gcaactctca   180

ccaatgttca atgataactt ggcaaagtag tttctacatt ctcccgggca ttgatttctt   240

caataactat ctcttttta caaatggaaa attgtgtgtt atgtagacat caatctttgg   300

taatgtcatc aaatggaaaa ttgtgtgtta tgaacacatc aatctggact tcctgcatac   360

taatcacaat a   371

<210>   17019
<211>   383
<212>   DNA
<213>   Glycine max

<400>   17019

agtcttcatg atgaatcaac aatgattcaa aggtgttttg atgataacaa tgatgacaac   60

aaaagatgat gacaaaaagc tcaagagaat caaagaacat ccatctcaag aaaatctaga   120

acaagtcaaa gagttcaaga atcaagaaga attcaagact caagagaaa gtctacaaac   180

aagaatcaag attcaagatc tcaagaatca agatcaagat tctagactca agattcaaga   240

atgaagaaaa gactcaatca agataagtat taaaaagttt ttcaaaactt tgaatagcac   300

atgagttttt gacaaaacct ttaccaaaga gtttttactc tctggtaatc gtttaccata   360

ttgttgtaat cgattaccag tag   383

<210> 17020
<211> 398
<212> DNA
<213> Glycine max

<400> 17020

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tcaatttcta gcatctcgac atattatgcg cccgaatcgg acatccgtgt gaaatgttat   120

gaccatttga atttctcgag agctatcgat gtttaatttc gagcgtatcg atttattgta   180

agcctgaacc ggacatccga gtgaaaattt atgaccattt gaatttcacg agagcttccg   240

ttgatcaatt tcgagtgtca ctatatggga tgcgccccag ttagacattc gagttaaatg   300

ttatgaccat ttgaatttct caagagcttc cgttgttcaa ttctgagcgt ctcgttatgt   360

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<210> 17021
<211> 355
<212> DNA
<213> Glycine max

<400> 17021

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atctttgctc aagatggagg aacatattca tactttgagg agaaacaaga aagaattcaa    60

gagaaatact attgagtgaa acacaatgct tattgagttt atcctttgct tggtaaagtt   120

tttggaccga gtcttacatc attgtaaaca cactccttga gtgttagaat ttgtggttct   180

tcaaactgtt tgtttttgaa agccaggagt ggtttagtga caaaataata cttctttgtt   240

cttaaattta aggggagtct gagggttgtg ctagtaatgg cctagatgat acttgtaaaa   300

ccaaaagtgt catgttagaa tacttgttgt aatcaaatgt tgattagcgc aagcc         355
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<210> 17022
<211> 391
<212> DNA
<213> Glycine max

<400> 17022

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tcagtgccaa gattccaaca acagtcatgg tggatatgta tttgtgtgtg cctaattaaa    60

gtaattatct ttagagatct aatcataata tttatctata ttgtgcctaa ttaaagcaat   120

tatctttagg gatctaatca taatatatat attttgtagt gtgcctaatt aaattaacta   180
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tctttacgag tctataaata agatgttgga gtctataact aatgacattt gaaatccact   240

acctatttta tgtttttaaa gctttgagac tgtttcgggt gtttctgatg catggacaac   300

actatgagga cagatcataa tcatcgttcc ttcactactg gtatgtctat gctaatttct   360

tctaagcttt gtagtttgac tttgaccatg a   391

<210>   17023
<211>   442
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17023

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gagttcacca gagagcacgc gcttgtcggc cattcttcgt gcgtcgccgt gcaatggctc   120

ccaccatccc agacacaaat ccctgttata actacctatt gtgcagctct ttccattatc   180

gaatgtacga actgtcaaat caccgatatg tccttctctt ccgatccgaa gaccagatgc   240

tctttcacag taaccttcgt actttgtcgc tgtttacatg gaacaattcc tattgagttg   300

agccgatgcc catcaactgc ccatgtcgcg gcacctaact ccattctcga atgccattga   360

cacagatatg tctatttccc tccgaaagga atcttgctac cctctcgtag ggactcatac   420

cgttcaccca ctttaagccg tc   442

<210>   17024
<211>   401
<212>   DNA
<213>   Glycine max

<400>   17024

ttcctacaat aatggtccct tcttattgca ttttttatgg agagaaagtg gcatcaaaga   60

ggttgttgct gatgttgttc tctgagttga aagtatgcaa ctgatgatgg aagttgcggc   120

ttgttgaaga tgatatggta gtaaccatac ttgaaggaaa tcaaagttgt ggtaaaaac   180

caataagaga atatagaacc taattggaga tagataggtt aatagaatag gcaagaagaa   240

caaattatac gcaaaatgaa aatgaaggga aagaacaaca catatatagg atcaataaaa   300

caactgatga ttatgtgaaa gttgatcata aaaagggctt gacatatatg cagcatttcc   360

ctaagtgctt gttgaggatc aaagttgagt gaaaaaaaaa c   401

<210>   17025
<211>   363
<212>   DNA
<213>   Glycine max

<400>   17025

tttgtcgcat taatgtgcac gcgccgatgg attgaactgg gacttggaac aggaacattc   60

gcttatcctg cgttgatcaa tacgaatccc tctgctaatg cacagaataa taaatgtggc 120

aaacaccgag tcctgtgtgg caatcctaca acgatctgct acactattcc gcccagttct 180

ccatgcccaa gtctaactct attcttgtca ttacctccca cgcatatcga caagagtctc 240

ccaacattcc cagagacact gcctgaatat accacaatac actactgatg tccatccacg 300

tacccatctc catctgcaaa tgaactctcc ttaactaccc tgggtaatgg acccgacgac 360

cac   363

<210>   17026
<211>   286
<212>   DNA
<213>   Glycine max

<400>   17026

caccatacag acctttggcc ttccaatgca caacctggag caattgaaca gcccgaaact   60

tatgctgcaa acatttacaa tatacctcct caacctcagc agcaaaatca accaccatag 120

aacaattatg acctctccag caacagatac aaccctggat ggaagaatca ccctaatctc 180

agatggtcta accctcagca acaacaacaa cagcctggct cttccttaca aaaggtgttg 240

gcccaagcag accatacatt cctccaccaa tccaacaaca gcaata   286

<210>   17027
<211>   317
<212>   DNA
<213>   Glycine max

<400>   17027

ggtcattggc atgatctgat acccctggac cggacagtgg cacgcagaag cttttttgatt   60

ttccattttc agggtttggt gtcaccgagc tctgccatga gcgctgctac ggaaccacga 120

cattcgtttt agattcaaca gcaagatgaa gaacaaagat ctgacgcgga gaaaccgcct   180

cggaactgat tggatctcaa tttcgacaga tctgatcgat tcaacgagat gatccttcag   240

atgtacagct tcgacttgaa gcccgagtct tacgaccttc ccaaggttat tctggactga   300

ctagcgttcg aacatgc   317

<210>   17028
<211>   433
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17028

gcgaagacaa accccaaagc caagcctgag aaagtggagg agttaaaacc cccacaanca   60

ggagattgag cgagactgaa acccacaaaa caagagcgac acaaccccgg cacaacggcg   120

acttaacttt caccacacca aaaagggaaa gggacagcca aaaaacacac cacaacagaa   180

gagacgcgga acacaacgaa aaggccacga acaaccgacg cacagcaaaa ccgaacaaaa   240

gcaacggcag gcccgaaaca gacagccgcc aaaaacaaaa acagcggacg agacagacag   300

acgaaaacaa gcaaccacac aaggaacaaa gcgacaaagc aacccacgaa ggccacgaca   360

acaaaaacaa caacaaacgc cgaccacaac cgaccaacac aaaccccccg aaacaaaccc   420

caaaaacaaa acc   433

<210>   17029
<211>   357
<212>   DNA
<213>   Glycine max

<400>   17029

atcttgccac ccatctcgcc caggagagct aggttgcttg ctctagaatg caccaccttc   60

tggaggaact tcctgaaaag cccacgtacg cctggttgct atttgcacca ccctgtttac   120

tagatacacc ccctgctttt ttttgctgat tcattttccg caacgctacg aaactttacg   180

aatatcacaa cgagactcgt tttctttccg ctatgctacg gatccttacg aattacgtaa   240

tcatccattt ttttggcttt cagaatgtta tggaacttca caaaatgtgc attaacactg   300

tcttttgact ttcagcatgt cacataactt tacaaattgt gcaacaatgc tttcttt   357

<210>   17030
<211>   391
<212>   DNA
<213>   Glycine max

<400>   17030

tgaccttggt ttagacatga ttgatacatg atttgtgact tgtaggattt gatttgggca   60

agattggatg aggggaagtg tggttttcga aatctgcatt ttgtgcagat ttttgctgtg   120

aaattgtgca gcaggatttt gcataagtgc agcaaaatac tagacatttg ctggttgtgg   180

aaagagcagt gcagaatgag ttctggatgt ttgctagtag atcccaacgg tcaaaatgta   240

agcttatgta ctagagactt ccagtaaaaa tttggagtcg atccaacggt taacgaattg   300

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ttggcaaaga tttctgcctt tgctctgttt c   391

<210>   17031
<211>   365
<212>   DNA
<213>   Glycine max

<400>   17031

ttcttgtttt gtttgcaata tttatgttgt gtttagattg atctctataa agaataaagt   60

ttggaccaat tggaaatagg catgactgag atcacattgt atgtaatttt catgttgctt   120

atccatattg acctatgtca ttgagtgtac tgatgtggta gtcattgggg tctagttaca   180

tttgttgtag tgacaaagac acaatgattc cattattgca tgagatggac caggttgtta   240

aggtggaagt ttaaaggtta atagcataca gatgcgcgct taaggatttt tgataaaact   300

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ggcta   365

<210>   17032
<211>   305
<212>   DNA
<213>   Glycine max

<400>   17032

ctataaaact aagcttccta gaatcttaaa ggtcctgctg tgctgaccat ttctgttggt   60

aggtagcaag agcctatatg ctgacttatt agagtagatc ccagtagggt ctgctttcca   120

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caacattgag tcctgcagct gctgatgaat agatatagca gatatatcgt ccatgaaggc    180

tattgcttgc tcattcttgc gataaaaaaa gttccttctc catttaaaat cccaattcca    240

agtattctga taaaactttc ccattttata acatgggaag gttttgctgt ctgctaatca    300

caaat                                                                305


<210>      17033
<211>      355
<212>      DNA
<213>      Glycine max

<400>      17033

atcttcggaa gaaagtgatg aggtataagc cctaaaggca gagcttgaaa gagcccgggt     60

agtcgaagag aagttcaagt ccatagccat caaagtctga aaaagtatga tgaactaagg    120

gacgtcaata tggccaccgc tgaagccttg gaacgagaaa ccaagaaggc ccgaaaggaa    180

gaacacgacc aaagcaaagt tttgaggggc tttatagggc agcaatagtg agctcaagct    240

ccgaagaggt gaaaggaatc atcatgggtc aaaggcatga tctttaagga cgagctaaaa    300

gcttgcctca ggtcgaaaag aaatttgtcc caacagttaa gcgagactga aggga          355


<210>      17034
<211>      400
<212>      DNA
<213>      Glycine max

<400>      17034

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ttacttgtta tgttcatacc acatttaact cataatatca ttaacattca acaggaatca    120

ctgagaactt tgaagcattg ttcctttcct aatgtatctc tggaaggcct aatatctgac    180

caatggaaag atatgggatg gcaaagacct aatccatcga atgactttaa gtacacaaat    240

atgttcttat gagagctcac gtgacatttt ggtcactttt cctatgtgaa agaatttgct    300

tattaaatgt tatgaaaaca gtgtcatttt agtgctgcta acggttatgg tagcgtatac    360

aattcactaa tttaatttat gggatataat taaaccaaat                          400


<210>      17035
<211>      359
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<212>   DNA
<213>   Glycine max

<400>   17035

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ctatacgaga catcttgcca aacaaagtca ggttcacgat aactcgcctg tgctttttct   120

tccatgctat atgtagcaaa gtgattgatc cagtaatgtt tgatgagttg gaaaatgagg   180

ccgcaattat attgtgtcag ttggagatgt attttccccc tgctttcttt gacatcatga   240

ttcacttgat tgtgcatcta gtcagagaaa tcaaatgttg tggtcctgtt tatctacggt   300

ggatgtaccc ggttgagcga tacatgaaga tcttaaaagg gtatacaaag aatctatat   359

<210>   17036
<211>   391
<212>   DNA
<213>   Glycine max

<400>   17036

ttgaatgagg ctgaagaagc tgctgctcat gttctacaag attcggtgga gattaattta   60

tctcagcctc atttgtcaca agatagtgac atggagttga tggtaaatat ttgtcacaac   120

aaagtagttt tatttcaacc taatttgttg cagcactcca tttttatata ttacaattat   180

tcatgtttgg catttgcatg taggtccctg caacaattgt tccaccaata gcaaggaata   240

agctaaccat aacaagagcc aaacaaagga aggttatgat gcagtataaa gaaaactgaa   300

gacccatttt ttgttgcatt ttgaaggttg ctgagtttga aggttgctga tgaagaaaac   360

tgaagaagca ttttttgttg cattttgata t   391

<210>   17037
<211>   375
<212>   DNA
<213>   Glycine max

<400>   17037

atcttgcaga cctaacatta tctatgtatg ataagcaaaa cacatctcaa cacatgataa   60

taataactag cactatatta ttcttttaat tatagctcaa attcaaatgg ttgtgatttt   120

gtatttgaag atactctcca caaaatatat taaatcgcat atataaataa tggtgttgac   180

aagaactact aatacgtccc atgaccccac cccttatcta cttattccat attgacacat   240

atgcataatt aatattaagc tataaactta taaaaaacaa atttttatgt tggcaaaaaa   300

atgtcaatat taacaattat ctatcactag acaataaata aattcgacta acaaaattta   360

aatatttaaa taaaa   375

<210>   17038
<211>   405
<212>   DNA
<213>   Glycine max

<400>   17038

tcttatcaaa ttatatgatc atatgttacc aatgctttat tattttattg tcaatgtaaa   60

catattgcac attgtaatgt tggagaagaa aaagacaatt ctgtaacatg tcgagtgtat   120

attctgagca caaattggcc ctttgctaaa tgttaaaccg aagcaaaatc accatgattg   180

aacaacagat gtaatttcat aaattaactc ctgagtgcaa caaactgcca tacgttggct   240

ccaaactcat aaattaacta tttgtctgtc aggagcaaat ttattcttag ctacctattt   300

acccttgttg atatcatgac taacatactg gcttttgttc ttgaattagc atccacataa   360

taaagccgga acaaagaaca taattagaac acccattttc ttctt   405

<210>   17039
<211>   372
<212>   DNA
<213>   Glycine max

<400>   17039

ttcttataca tttatgattc tccctatgct tgaagttcat tttagaagtc taaaataaag   60

ttgacttttt gtctagatct actataactt gtggttttta tcaagattat gaccaaccta   120

tttttaactc atccgatgaa atgtaggact tgacatttaa attttgagca catattaaat   180

ttgagcctca atttttatagt agtatatatt aaatttgatc actttaacta ttccattaaa   240

tcatgcaata ttgttctaat aaccatatat caaatttaac attatttaaa caataatata   300

tatatatata tatatatcaa ataaattact tatattttat ataacattaa atatttaaat   360

aaataatgct at   372

<210>   17040
<211>   406

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17040

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cgagtacaca gtgcaaactt tgaattcaaa ttttaatagc tgctgtaaat cagttttggc   120

cactggtaat cgattaccag agagtaaatt tgttgaaaaa aactttttaa cttaaaattc   180

ttggccaaac cttttgctac ttcaattgga attcccttcc tatttaatat accctctcta   240

agactctaca gactgggttg atcattcatc ttgaatatct cttaattctt tgtattgaat   300

agagctttga gactttgaga cgcatgtgaa actttggcat catccaaaca ttcagcttga   360

tcctttgtct acaatctctc cctctttgat gatgacaatc cctgaa   406

<210>   17041
<211>   380
<212>   DNA
<213>   Glycine max

<400>   17041

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gttccaagta cattggattt ggtacgacca tgccctcctg atttctagct gggaaattgg   120

cgagtggagg aatgccccgg catttacgca acgagcataa tgtaaacctt tacggtttta   180

aaagctctat agttgggcct aggctttaga gttttttcctt ttgttaaggc tttgtgtctt   240

ttgtttttga atttataata caaggatctt tcttcatctg ttcctacgtc tctacccatt   300

ctcattcatt tgcatgtgta cttctttatt tctgaaacga cagatctgat gacgagtccc   360

ccgaaggtac taatacctgg   380

<210>   17042
<211>   399
<212>   DNA
<213>   Glycine max

<400>   17042

tcaaggctaa gtcttcatgt tgcttcctct atctctaaca atagcctcaa ccatcaacaa   60

caacataatt ccatcaccat ttgtcatcag gattcatatg atcatacctc acataagcca   120

tagctgatgt caactatcat ggattctcat catacataat tataacaagt gacacacatt   180

gacaaccaac taaaccagtt atcactacta catacaccaa tagccaacta ggccacccca   240

aactcagatg tcaacactaa ctctactcca tggagtttca acacaatatg agtggttcct   300

tatgatccct aatagaataa cttttgtgat attttgtatg agtttttatg ccattttaca   360

tgcagtttct tggcacaacc cacgtttgga gactaattt   399

<210>   17043
<211>   375
<212>   DNA
<213>   Glycine max

<400>   17043

ttcttgtaat ctttcacaca tatactgtaa tcgattacca gagtagattt tcagaaaata   60

ttctcaacag tcacatcttt ttatgtgatt cttgaatggc tatcaaaggc ctatatatat   120

gtgacttgag acacgaattt gctaagagtt tttcagaaca aaaaaagtct tatcctctta   180

taaagcaaaa ttgttttatc ctcttacaaa ttccttggcc aaattacttg tgattcaata   240

aggaattttt gagtgctcaa attgatcaat ctatctcttt caagagagat ttcttctttt   300

cttcttcttc attctgaaaa gggattaaga gaccgagggt ctcttgttgt gaaagaattc   360

taaagacaac ggaag   375

<210>   17044
<211>   384
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17044

ctcagcttct ccgaagctta ttaaaggctt tagccatttc agtttcntct gaaagaccca   60

cggtcagatc atggaaaagt gtttgtgaag ttgcagacca aattttggaa gatccaacgg   120

ttaatgaagg ccgggcagcg ttcttatcga ggcagcttca tgtagctttc tctagaagct   180

tcctcgtggc ttctttgaga agctttctca agaggcttct ttgagaagct acattcttat   240

ctatccaccc ctctattaac taaattaact tccttaaaaa taattacgga tgaaaataac   300

gccacaaata atcaaacatt anacataatt actaataata tatagatatt tatatcaggg   360

tgttatagta gtggtcccag tatg   384

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<210>      17045
<211>      374
<212>      DNA
<213>      Glycine max

<400>      17045

tttttaatcc tattttctca acaaatagcc ttcacaaagt gtgccgaatc cgatcaatgt    60

gagtgccatc accttgatgc atggcaacca aatgcatgtg cctacacaca ctagcaacat   120

ctgcactgga acctgtcaac cttgattcta cacctgaaca ataggatgac ttaattgcac   180

tatagatata gctgcctatc ataaattttc atgcaggtag accttattat agtaattcca   240

actaacatca ccctgctatc cctctctcat tcccacctat aacaattccc aacaaaaga    300

tggaacatgc gtataaggac atcttggaga ccttcaaaat tgcagaggag atcatacctc   360

tgctagatgc catc                                                     374


<210>      17046
<211>      383
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17046

ttacataaga ttntagtaat gacccactaa cctataatta atataactta atgtcattaa    60

cctagggaat taaaagaact taatggctga gtgtaactga aaatgtggca accaaaggtc   120

acccccaaca gccaacaagt ctgccaccat ttggtctccc aaaaggctga tgcctaggtt   180

gccaattggg cccttattac aacttgaact aaacctaact aaagcccttt tagttgatta   240

acccaaaaca tatttttggt cacccaactt tacaaggatt gggccattat ttagataaac   300

taaacactct aagattgaga caaagtggtg ccatttaatc ctactccatc tgggccatga   360

tacaactcac aaccttggac ttt                                           383


<210>      17047
<211>      353
<212>      DNA
<213>      Glycine max

<400>      17047
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ttttcatgca ttcttgctag ccaagatgtg ctgtagcctt cggattgagc ttgaacttgg      60

gcctgaatca gtccctgacc ctgagttctc cttctccttc tcctctttca aggcacggat     120

tagccgattt ggcagataca gataccgatc ctgaaagcgg gaacgattgg cgacaattct     180

ccgcccaggt ctccataccc aaatgtcacc cttttccggc caattttccg gcgcatatgg     240

aaatccctcg ccggacattc cctgtgccac tggctgtaaa ttcaataata cattattctc     300

ctccatgctc atcttccatc tccatctcca tctcgaacgc tacttatcta gct            353
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<210>      17048
<211>      388
<212>      DNA
<213>      Glycine max

<400>      17048
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tcgacctcag atccctcttg ttggactatg cttattttat acagcattat aatcataaca      60

taattaaaaa ctaaaaaacc tgcaatctat ccctagcaat gccattatct agccctgctc     120

tatcaagttc taaggaaata gtatagttcc cagtgctaaa gttcctaaca gtacacacca     180

atgggtgatc agactaaaag catgcaacaa tgaagcatcg atagaagcag tgaacacata     240

aaccacactt aattagatat gaaaagtgtt tacatcaact tttcattaga catccccaac     300

tagagttgta gcaagccata acaaggaagc cttttctaca attagataga gaatacagag     360

aaattattgc ttacacagga aggggat                                        388
```

```
<210>      17049
<211>      355
<212>      DNA
<213>      Glycine max

<400>      17049
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tgccgccttg tcggccaggg aggacaaagc atcccaaaga actatgcctg ttacgacgag      60

cgattgtgac cgctttagga gcggtatgca ccacgcttac tttgtagctc tctacggatt     120

gtgttttctg cgggaactaa acatgcaatt taggccccac gaactttctg actatctaca     180

agacaaaata ttcatatatg ggtgccgata ggagactccc atgggtatact ttgatcacac    240

aacagccttg cctgatcgca catagatgcc ccatcagaaa gtcgtgcaga caagagaact     300

gggtctacgc aagcagatgc gatagatgcc aaaacgccca cgcacaggcg cgatg          355
```

<210>   17050
<211>   377
<212>   DNA
<213>   Glycine max

<400>   17050

aattcttcga atatgaattc ttaaacccca tcctgttccc aaggagtctc actctgacct   60

aaaatgggga atatcctccc tcccaacctg gtggagctac cagaaacttg gttagctgaa   120

ttaaaactat gtttcgtccc atcaacatct ctaagaaatt caggctcctt agtggtaacc   180

actgagtcca tcaagttgcc gctgaacccc aaatcagaat acaccctcaa ggcatcctag   240

atatgaaaat agatactact agatatagta gtggcagaac attaaaaaaa ctgatatatt   300

tgataatatc acaataaagc acccatatat atgttcatat cctctactgt caaatcagac   360

aaagaactca tatgact   377

<210>   17051
<211>   307
<212>   DNA
<213>   Glycine max

<400>   17051

ttcttcaagt tgcgtggaca acaacttata ttgggccagc aatgcatctt gagatcaaag   60

ctctaataga ctatatttgg caggaatatg aactctatca tgcataattg tgtggtcact   120

ggcaaccata ttttcaattg agtccatggc ttcttcaagt gtcttcaccg gcataaccca   180

attttgaaga tgcctaacta tataagctct gaaaaagcta cagtgggagt gttctgtaac   240

aagctataga atcgttctta tgcctcagtc aaagattcat ctagaaactg atggaatgaa   300

taaatta   307

<210>   17052
<211>   375
<212>   DNA
<213>   Glycine max

<400>   17052

tgacccttac gagatagatg ggacgatttt tatattaact tggagaaacc ttccatgaat   60

ctctggtaat atcctgctag gcccaaaaaa ctgctaaatt caaaaacaga cttaagactc   120

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tcgcactcga gaatgacttc tatcttagag gagatacagc tataccccctt gagatatcac   180

atgccctagg aagctaactt tctctaacca aagctcacac tcggacaact tagcatagat   240

tattcattcg tatgggtatg cagcacaaac ctaaagagct cttcatgttc ctctttagcc   300

ctggaatata ccacaatatg ttctatgaat actaccacaa aactaacgag gtaagggtga   360

aagactctat acatg                                                    375


<210>      17053
<211>      479
<212>      DNA
<213>      Glycine max

<400>      17053

acccgcctgg cgaccacgac ggcgagaaag ttgtgatccc accacagaaa actgaacttt   60

gagcctgatg accctgcaaa ccacgggaac aggacccgca aggaacccgt aagagacatt   120

tggcaaacat tctaggagag gaaccggacg gagccaccaa accggaacag cacatgcagc   180

atcgagtcgg acccagggca ggggccaaag aagcagacaa cacctacaat tccggcctaa   240

caaacaagat agaagaacga gcagacaaca acaggtagcg aagcaccagg atatagccca   300

aaagatccat acgcacgccc gcggaccaac gcgaggcact acccgcaccg acttacagcc   360

catagagaag cacccaaccc tcaaaaaaga cggaaaacca ggcggcagca aaaaacccgg   420

gcccaaggcc aaaccaaaaa agcgggccaa caaggaagac ccccaaacac acaagctga   479


<210>      17054
<211>      352
<212>      DNA
<213>      Glycine max

<400>      17054

taggaagtat caatagaggt tgaacccttt taagttctct attggggtca aaccagggaa   60

atagcgaggt ttcatcgtca gccacatagg gataaaagtg gaccccgaaa agacgaaggt   120

catccttgag atgccggaac cccataccaa gaggcaagat cgaggttccc tgggacaaat   180

gacatatatt gccacatcca tatcacaact cactgctatt tgtgagccgt cgtacaaact   240

attacgcata caccaaactg tacgctggaa cgaggatgca aagacgcata tggaaagatc   300

aaaaagtgtg ccatgaatcc tcctgtgctt atgccaccgg aaactcgaaa gc           352
```

<210>   17055
<211>   140
<212>   DNA
<213>   Glycine max

<400>   17055

aagtgctctt acgcatatgg cggtatacac accacatagg ggactcttcg cacaacacgc   60

atgaggcgct aaataagcag ccccgaaccc gacaagaacg gtgagcgaaa cccggcgagc   120

agaaagaaac tcaccgacac   140

<210>   17056
<211>   363
<212>   DNA
<213>   Glycine max

<400>   17056

tttgcatgct ttctttatag atcatatgat ctcacagaga gaaattaaaa aaaatgagag   60

ttgtgtataa aaaatatgaa tgtccatgta tcatcactct aaatcttttg taataacaca   120

aaattaattc cttttattcg ataaataaaa tttgatgaac tattccagaa ttttttatta   180

catctctaaa ttatttattt tttagtttgg tatctgaatt tgtacttatt ttttttaatt   240

aagctcatgc cacacttaat taaaataaat aaatacaggt tcaggatcct attaaataaa   300

caatttaata atctaattaa taaaataaat agtttacgga cttaaaaact attaatatat   360

gca   363

<210>   17057
<211>   555
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17057

tgcagatcgc canctgcang canaagtcgc anagaatgac cgcacaagna gtagtcgaag   60

agacattnan nctnntccnn ncnnccaaga dacggggttg anatagaaga tcgctagnac   120

attncgccan annnccnnnn nnanannnan nnananacan anagcccggc ggccngcgga   180

cacaacagcg cacacacgca cgtggtgggg ctctcacgca acacagatgc cgagagccga   240

tcgggagggc aaggtcaccc cacgaaacaa tacaaaccat agaccgaaaa gaggccaggg   300

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ccccacaccc gatcagggag ccgccaaaca cgaccacccg cgccaccaga aaaaaaacaa    360

gaggctacca agccaccgac ggacaccacc gacccgaaga acaacgggga ggaaacgcgc    420

cccaagaaaa aagaagcagc cgcaacacaa ccccccccaag gggagaaaca catcccccg    480

gaggccgaga aggaacacaa agacacggca aagcaggggga caagacccaa cccacgccac    540

agagaagacc ccccg                                                     555


<210>      17058
<211>      361
<212>      DNA
<213>      Glycine max

<400>      17058

ttcttgctta tctcttcagg gagctcaaca cagtactgca tatgttcctt caacttggac     60

ctacagcaag caataaaaac aaagtatata actatatatt ctctaaaaca acaaaaatca    120

caacaaatcc agcatcatca agttcacata tcacaaattc aatacccaaa ttctttgttc    180

aggctgttcg cggccgcagt cgtggccttc ccgccaccgt atttcgccac aaaatcatcc    240

ttcgcacgct ccagaaaagc cacaggcacc tgtctcccaa tcgattcatc cgcaacaaca    300

caataagcta aaaaaaagtg agtcagacat tcatttccaa aaacataacg ctgaacttca    360

a                                                                    361


<210>      17059
<211>      391
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17059

tccatgactt tcactttctc tcacttatca ttntctatta gctagaccca aacaatcggg     60

gcctacatga gtaccctgag gtacaattgt aatcctcatt atcatcttcc atttgcaaca    120

gcaaaaattg tctattagga catttatgat taaaagagaa tttctcatac aaaaataaca    180

caatcctttt tcccttctca actgcatttc agcaggagta atcttttta cattcgagga    240

ccgaattgga gggcctgatg gagtaggtaa aagcgaaagt aaactggatt taatttgcgt    300

ttttggttga gcattaatag agattggggt agaagaaatc tgggaatatt tgtgactata    360
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ggaaatttga aatggcttat aaacatgacc a

```
<210>      17060
<211>      373
<212>      DNA
<213>      Glycine max

<400>      17060
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ttcttcattc ttagaatgaa gttagtagag atacatatat cgtgaataat catctataaa   60

ggttatgaag tatttcggac tatttgcatc catgtctgga caacatatgt ctgtatgtat   120

gatttctaat aaattagaac tcctctttgc accctttttta gacttgttag tttgcttacc   180

cttaatgcaa tctacacaag tctcaaaatc agcgaaatcc aaagtactaa gtactccttc   240

atttactaat cgcttgattc tttcaataga gatatgtcct aatctccggt gccacaacat   300

agaggattct tcattcacaa tacatcgttt ttaacccaac agaaacatgc atagaagtag   360

catcattttt gaa   373

```
<210>      17061
<211>      479
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17061
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ggacgcacac agaatcgcaa atgacgcaag ggagcgacgt acatacttcc nncccaggag   60

gtgaatgaac tgaaacttcc caaacaacan ancaccaaga aaagagggcc cggaacatca   120

acactttcaa tgggagtctc accggcgaac ggcgaacccg aaaggggagg ggcacccgcc   180

accaggcaac accggagcga gaataacaaa aggcagagga acaaaacccc cggaaagccc   240

cccgaaaggg cgcgtttaac acaaccacaa aaaaaagagc cggcaataac atggggatac   300

cgggcgaagc cagcccccca aataagcccg cacatagcat ggccaaacaa gatgaaaaca   360

aaacccaaca ccgccaagcc caaagaaaaa acacactccc cagaacggga gaaatccaag   420

ggtcacaggc gcaacgacac gggacgcgcg accccttaa aaaacagaag agcccccccc   479

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<210>      17062
<211>      378
<212>      DNA
<213>      Glycine max
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<400>   17062

ttttttatca tgttcacgac aaaggactaa agaagaaatc tccgtcttat gaccactaca   60

aatcaagtcc tccttgccta acacatgatc aagccttgag cacaacaggc acggaatttg   120

caatttgcag taaccagcaa actttgctat aacataagaa aaaacggcat cgataaacag   180

gaaaaagatc agcaaccatt cgagaaaagc cgatgccaag gccgtggtaa cacccgggga   240

gagcttacgc cactcagaag atgaaattcc agtggtagcc atcatccaac caactcaatt   300

agcttcgaaa ggagaaaccg attgctgaaa gttgaaacag atcaaactat gaccttcttc   360

ccaaaatgat atgaataa   378

<210>   17063
<211>   409
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17063

agaattatga actagacttc aggacctata aaactcaact gctactgttt ttatccttat   60

gtcgcaattt atgtttctan aaatataact tcaccactag aaacgacata aattgctttt   120

acatataagc cttggcaact caaatgatca aattccttaa tgtgaaaagg ggaacaaact   180

tttctatcta tagaatctta aaggaaatac ggatttacaa tattcaagcc taactataac   240

cctgaaatac tttccacctt ttatcaaagc tgctttagac cgactatgaa cacaactctc   300

taacaaagtc cggaaggtgg ccaattgtca tcgagttaat gttcaacaat ttgtggatta   360

tactcttaca tgcatgatta tgcatcacat gactatgtgg acatgcagn   409

<210>   17064
<211>   382
<212>   DNA
<213>   Glycine max

<400>   17064

agcttatcag attaacattt tttttcaaaa tgcaacaatg agaaagaaa gcacaaagag   60

gaaattcaca gaaccaaatg agattaacat caattcacat tttgtttcta aagaatataa   120

gagaaaacac ccgattcact caggcagagg aaaacctctc aaaggtgcat aattctcatg   180

caggcaattg ttccatcaca attccaatca ctgatatgtc ataaatcaat ttttgcaagt   240

catttcccat caaatcaaag ataaattgca taatcatcat ggatcattag ggctttttagg   300

atttggacta gctttgaaag aaatattggt ttttctggat attcaaaaat accttgagaa   360

taggaaagca acataaaaac aa   382

<210>   17065
<211>   402
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17065

tgaatctaan aagttgttca gcaatcttca tgcccatctt ggaccttagg tcgatgttgt   60

tgaacctact agttaaagtc atttcccaac ctcaacccat cattgaagat gcactcacaa   120

caatgaacaa ttccagcact cctcatgaaa taactccctt gactgcctct gctccaatag   180

gtgtgtctaa agagagaata caagaatttt tgtgtaacga tctacctcgt cgctacgata   240

tcattactct aaaccgcata aatttcaatt ttaaatgaaa acttcattaa tttgcttatg   300

aaaaaagaga gtaaatcttt tgcaatatac attcaccaga caaacgcacg aatacttaaa   360

tgaatntata tgtatataga tacattaact cagtacacat ca   402

<210>   17066
<211>   378
<212>   DNA
<213>   Glycine max

<400>   17066

ttcttgacca tttttgaccc aacccgggca tagtcggtca gtgagaacct gtgatgcagg   60

cgagctcctg gcagtcaaca gataaaagga aaacaagacc acaaagcaag gaggcttgtg   120

gtggctggcc agctgtgaat tttgtgtaat atgtggattg tggcctctgg taatcgatta   180

ccaagggtgg gtaatcgatt acaaggctta aaattgagga cgggaggcta agatggtctc   240

tggtaatcga ttaccaaggg gtgtaatcga ttaccaggct tgaaaacgaa gtcaggaaac   300

ttagggagtc tctggtaatc gattaccagc ctgtgtaatc gattacacag aggaatgggt   360

cactggtaat cgattacc   378

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<210>      17067
<211>      416
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17067

gacctatgat actcagcttc aatgtccttc ttgatcaaag cttcgaagca aatgtttttt   60

atatcgacat tnttttcata aagtctatat atttacttta actataaaat atatcacaca  120

tattaccaat gttttgttga ggaagctcat tgattatgcc aatggttcat cttaaccagg  180

tctctgattt tggattggct aagttgacca atgatactaa tacacatgtc tctactcgtg  240

tcatgggaac attcgggtaa tttcgccacc ccatggttta atacctacgt agaaactata  300

aagaaattga taaaaatggg aattaatagt ttaaatttgc atgtctaaac aggtatcttg  360

ccccagaata ctcatcaagt ggaacattga cagagaaatc tgacgttttc tcattt      416


<210>      17068
<211>      376
<212>      DNA
<213>      Glycine max

<400>      17068

tttcttcaac ctcttattac tgcgtacttc tatattttgc tcacgtttga aaggctacta   60

atctttgaag gtgctctatt ttttgtcaga agactttgcc ttattgcaag ctcaatattc  120

tccaattctt atcatcaata atattaacat aagagtagta attaatcgtg tcattacagg  180

caagatagtt taatttattt gagaagtctt ttgatagatt tctgcataaa agtttcaaaa  240

ttcaaatcca ttcagcgatg aaatatatac tttattcata tgtaaaaccc ggcagcagat  300

caacacctta gctggtttta taccttcgca atgaaattca aaggacaacc ttgtactctt  360

ttttacgggt actatt                                                  376


<210>      17069
<211>      375
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17069

tgtcagaggt cattctatgc ttgaaacttt atatttatt tcttttggn agcaaataca     60
```

```
tttaccaatg gaaaatatta cggatattgc gttttttgca ttcttatggt ggtattcatg   120

atgcacacct tccaggagtc aatagttgca gccggtgctg gattagcctt agttgactca   180

gtggtgatct cttaacctgg catgtgcatc tcttggtaat aatctgtgtg cgtgtttcgg   240

cgaggggtaa gtgagtggat atggatatgt acatatctac ttcttctggt gacttcatac   300

tggaaaggac tatttgtgtg tgcgtacctt ttttgtatct ttaaacttgc gttcgctaga   360

gggggttaag gagac                                                     375


<210>      17070
<211>      268
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17070

tttgcattag acattttgcc ctcacatagt tctttcgacg ggaagggttg cggagggagc    60

ctcaactact ttgttagttt catggggcct gttcgctgtt tgttggattt ggtggagcga   120

atgtantggt ctactctggg ccatgtagca ttttggaagg aaggagtaag ttgctgttgt   180

tgttgatggc tagaccatct gagattatgg tgattcctcc atctgggatt gtatctattg   240

ctggagaggt cataattgct atgctatg                                       268


<210>      17071
<211>      99
<212>      DNA
<213>      Glycine max

<400>      17071

aaaccatgcc ttgagctccc aacttgaacg gttaaggcct tccctacttg aaaacccgaa    60

tgccaactct tatagctgcc ataaatttga atctgccgt                            99


<210>      17072
<211>      367
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17072

ttcttgcaag atggaagcaa agaaatctat caatgggggg tagaataacc ctcattaatt    60
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cagtcttaac agccttaccc atctatttgc tgtccttctt caagatacct aaacatgtgg   120

tgcaaaagat tgtatctatt caaaggaatt tcttatgggg aagtcaccaa gactccaaca   180

agatcccttg gggaggcgcc atttgcacat gaatcactct tgaggcaaaa atcaaggatc   240

aaatggctca nggaaggtga cagtaacaca tgcttctttc ataaatccat aaattttaga   300

agacattata atgcaattca aggaatattc attgaaagta tatgggttca gcaaccaaaa   360

ttggtta   367

<210>   17073
<211>   362
<212>   DNA
<213>   Glycine max

<400>   17073

tgttgacacg cggagattta cgtcatcttt cgcgcacaca agatctgtca tactgacatt   60

tgagtcacgc tgacgggcgg aaatacccga gtggttatcc gtataaacat tcttttgctg   120

tctgtaagac aaaaagcctg atagcacgca gagactaacg tcgtcttctg catccttcgt   180

caatcgcggc cgacaagccc gttggcacgc ggagatttac gtcatcttcc gcgctcacaa   240

gatctgtcat actgacattt gagtcacgct gacggacgga aatacccgag tggttatccg   300

tataaacatt cttttgcta tctgtaagat gaaaagcctg atagcatgca gagactgaca   360

tc   362

<210>   17074
<211>   366
<212>   DNA
<213>   Glycine max

<400>   17074

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gtgccaaact tgaattgcct tttgagtgca tttggagatt cttgagagta gagacttttt   120

ttaaaaaaac ctgaaagttt ataatcacta agagaagtgt caaatcacat cttcatcatt   180

aagtacagtt gtatacggat gtatgtatac aatgcattac ttcctcctaa tgcaatgttt   240

ctcccctttt ttccattata tagccaaaaa gtcacaacta ctgatagagt atacaaaaaa   300

aaatatgatg tgaatatggga aaaatgatca ttacaattaa ttcataaaga acattacgac   360

tattat

366

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<210>      17075
<211>      359
<212>      DNA
<213>      Glycine max

<400>      17075

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tttcgtgttt tatgtttaat tgctagtatt gtgttagtat gtgtgttcgc gttgcttaat  120

ctcttgatat tttgcttagc gagtgttctg tttcagtttt cctattgagc gctttcccta  180

tttcagtatt gcgtgttctc tgtgaatagc gttttgcgac ggacttatcg accatttcta  240

cttgcgccaa accatagtaa tagtaaaaat cccttaccga ctgattttat cgaccaccca  300

tgctgaatta tttgtgactt tttgcttact acctagggtt gttatttctg gctgaattt   359


<210>      17076
<211>      367
<212>      DNA
<213>      Glycine max

<400>      17076

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gtcctttgtc acgggaagcc ggaaggtcca tatcaccttc ttaattgtac acatggggca  120

ctgcgccccc aaatacgcaa gtatgatgag ataatgttcc gggctctcgt gtctgtaaaa  180

tgcattcata tcatgcatcg cataaacatc tcttcatggc atcataatga acatatcgtt  240

cctgcatttg tctgttatca tattacagcc tcacattttg catgagtcat ggcatcatca  300

tgcatatgcg ttcaacaaac tttttgatct gcaaaattgg ataccatttg tcttcatgtt  360

tgctcat                                                           367


<210>      17077
<211>      396
<212>      DNA
<213>      Glycine max

<400>      17077

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7161

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ggcttccgat aataacagtc tattcttcgt tatccttgct agcttcctca gtttggaatc    180

tactgaggca cagatatact aatattgctc cagcgaaaaa accaatgccg gaacctcctt    240

ctcttccaat cttatttctt cattattatt accattctcc aacactgaca aaaacacacc    300

tccgaatcag cctatggagt ccaaagtgaa acccagcctc tacactcatc aggtcgctcc    360

ccctctaaag aatgcatgga tagttattcc tatagc                              396
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<210>   17078
<211>   365
<212>   DNA
<213>   Glycine max

<400>   17078

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atggctcaag aacaacacga tggcttacag aatgggtgag ggccaggagt acaagcgcct    120

taggttatta tgttatacaa agacggtcct aggataaaaa ccgacgttgt cttaatttat    180

agtaattaca acattgccac agcacccatt ctaagacggt tattcataac cgccttataa    240

tgtacgacgt aaaaacaaat ttttgtttcc ttatttacaa aattgccacc gcgccatatt    300

ctaaatcagt tcttgagaac tgtcgtagct ggcgcgtcgt acattcaagc ttttgtagta    360

gtgta                                                                365
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<210>   17079
<211>   402
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17079

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gttgagtttt taattaaacc atgtgtggca ggaaatgaat gttctgagag attggcatac    120

tatgggatga gtacaaacct ggtgaactat cttcgggagc gtttcaacca gggaaatgca    180

accgctgcaa ataatgtcac aacctggcca ggaacatgct acatcacacc attgattgga    240

gcctttctag ctgattcata cttgggaaga tactggacaa tttccagttt ctcaattgtc    300
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tatgttattg taagtttaga gatttttttt ttcttgtttg ttgagtcccc atgttatgct   360

aaaggcattt agtcttcact cttctgacct cagtttatat tt   402

<210>   17080
<211>   356
<212>   DNA
<213>   Glycine max

<400>   17080

tgcttaataa ggctatacgc tggaccctgg ctgacattcc tggtattagc ccatccacat   60

gtatgcatca gataaattta taggatgggg ctaaaccagc aagacaacca cagagaagac   120

tcaacccggt gattcttgat gaagtgaaga aggaggtaac caagcttttg caagctggaa   180

tcatttatcc tatctccgac agccaatggg tgagtcccgt ccaggtagtc tcgaagaaaa   240

ccggcctcac cgtcataaaa aatgagaagg aggagctgat tcctactcgg gtgcagaaca   300

gttggagagt ctgcatctac tataggaggc taaaccaagt taccaaaaag gaccac   356

<210>   17081
<211>   295
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17081

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aacagggttt ccacatcctc aatgcgcgca taaacccacc atcccccccgt gcccaccttc   120

aactgaactc aagcactgcc acgtagccca tatcctcgat tctctcagac accgggtccc   180

catcaatact ctcaagcttc caccacatgc gatcagaaac aacattcaca cagcacgaac   240

tatcacagcc gagccaagca cagcagaggc acagaactct gctcaacaca tccac   295

<210>   17082
<211>   361
<212>   DNA
<213>   Glycine max

<400>   17082

tttttattca taagctccag aagcaagctt tgctgaagag gaatgattca gccatggctg   60

atagcttcaa ccagggttat tagggtataa gaaggctaaa gctaaaattg agaataaaaa   120

atatctgact tcattcatag gttaaggtta ggtgaaccac ttcatagcta aaaataacct 180

gttatattct caatttttaa aaaatttatg aattttactc ttaataaaat tgtgcttttt 240

atatgtaatt ttttattttt tggccaaaat ttaaaattta tttttaattt atttttaaaa 300

ttttatttttt attttttttag aaaatcttac ttcaactttt atacttatta acaaataaat 360

g   361

<210>   17083
<211>   394
<212>   DNA
<213>   Glycine max

<400>   17083

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cggcaagcaa ctgcaatgga gatatgccct ttgaactttg aagtcactca atagctatac 120

gtcaacaaat agcatcaaaa ggttaatggg tcgacaaatt ttcgaccaag caaatcaatt 180

gacaagatac gaatttaata attcgggcct caaaattaaa gctgaaatca ttatttcacc 240

tagtgttaac attgattatg tctgaataaa gaagcagaaa aagatataaa agacatggct 300

aaaaagcaat ccacatggta cccctctttc tccacgtgtt ctctgtatct cagagcgtct 360

tccaagctta aacaaacgca gcacaatttt taca   394

<210>   17084
<211>   374
<212>   DNA
<213>   Glycine max

<400>   17084

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atttccgctg aatctttcgt ctttgatttt tttttttttcc tttcaatggg gtagagaggg 120

ttttctctct caaaatccaa ttttatctct tcacaagaga taaatttttc tatgatgaat 180

tgtctaatta ttagagctat actaatgaag aaattagaaa caaattgagc aatgaatttc 240

taaatagggc aaaagttatg gataaggaat ttatttctct ggatatatta gaaaaccaaa 300

ttcgattgtc taatgatgaa actaaaacaa atatttaact aaaatatctc tcaatttgga 360

tattgaagag agag   374

<210>   17085
<211>   376
<212>   DNA
<213>   Glycine max

<400>   17085

ttgatcaatg ttctggattg tctaactagt gaaaatgaga aagatctaag ggctttcttg   60

taagacttag atcgtgaaga aaccattcct gcaggggggaa ccaactttga agaattgaaa   120

agcgggagtc aatccgagaa gaccaaggtg gagttgaaga tcctacccaa ccacctgaag   180

tatgtgttct tggaggagaa cgagaccaag cccgtggtga tcagcaatta gctaacagta   240

gaggaagata acaggttggt agaggtcctc aagagacaca gggaggcaat taggtggcac   300

atatcagatc taaaaggaat tagccttgtc tactgtatgc acaagataat gatggaagaa   360

gactatagac ctgtca   376

<210>   17086
<211>   377
<212>   DNA
<213>   Glycine max

<400>   17086

ttcttttttcg tctttaagaa gttcaaagct acagtggaga aaaaaagtgg ttgagaaatc   60

aaagatatga ggactgacca aggaggagaa ttcacttcca aagagttttg agagttctgt   120

gaagagaatg gaatcagatg tcccctgatg gttccaagat cccccaata gaatggtgtg   180

acggaaagaa aaaatagaat aatccttgat atggctcaaa gcatgctcaa aagcaagaaa   240

ttgccaaaag aattttgggc agaagctgtg gcatggccgt ttatctattc aatcgatcac   300

cgacaagaag tgtatgggga aagacaccac aagaagtatg gagtgggaga aagtctggta   360

tctctcactt gagggtc   377

<210>   17087
<211>   379
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17087

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tgatataatt aatgatttat ggtgtaaaat actaattaac attactcata cattttagca   120

tcattacagg tgttcctgac tctagcaact tctagtgctg ccgctgctac tgccatagtg   180

tacttaacac acaatggcaa tcaggattcg aattggcttg ccatctgcaa ccaatttggt   240

gatttctgcc aagagattag tggagcagtg gtggcatcgt tcgttgccgt gggtctcttc   300

gttttgctca ttgttatgtg tgcagcggct ctaccaaatc attaactagc accacttaat   360

taattatata tggagctat   379

<210>   17088
<211>   453
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17088

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agctgacctg cgggatgcat ttttgcaaca ttctacccgc atttttgaca gcactcgcga   120

gaacagagta tcgtatatat gtagcatacc accctgacta cgttggcacc tacgctgaca   180

ccgctgaccg atgcacgtga tggcgccgag aatctggacc tgcttaatca taagcaggag   240

gaaggcctgc accacccgcg gtggcggcaa aagctgagct gggttcgtag attccatgct   300

cctacctagc aggtcacgac ataaaagggt gcagatgata tggatttcat tatcgcttgg   360

cccaggctta catctccaca gaacccaact tcttggaatg aacgtgtgat cattcggaag   420

cgaaactaca tctgatcgat agtaaatcca agg   453

<210>   17089
<211>   553
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17089

cctatgctct taactcacaa acgtgagaac agttaaaatt gatcacttac aacactacca   60

aaccccgggt gctttgatcc gtagtagatc ccgtgacact atcanantac tcaagtctnc   120

acacgcgtgg ctcttagctc ctgacagaag agcagtaata tatgtatttc aatctgagac   180

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aggcacattg aagcatgccg acgaagacaa aatgtcagca cagagaaaac cacaaaggaa    240

gaacggtcga aaagacaaca cgaaccagca tgctccaagc caattccgac ggaaggaaat    300

catagggagc gaacgccgct gaatggagaa tagcttatca cgaaagctaa aatgggtcac    360

atgacactgg taggacatcg dacaaccaag agtgaacgaa agtggacccc tctagaatgc    420

ttgatcatac tcgttcgatg acattttgga aaaggcaccg agaagcatac cttgagcgaa    480

gtgaaaacca atgtggaata gaatgtgaac aacgttctct gaaatatacg gataccagga    540

accggtatct acg                                                      553
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<210>   17090
<211>   378
<212>   DNA
<213>   Glycine max

<400>   17090

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taatgaagat agtgaccaaa actcagaaaa cacaactgag ataggatcaa tatcagaaaa    120

taatataaat ccaattaatt ccaaacactg gaaaaccccc tccaaattat attatcaacg    180

tccaaccgcc cctgacctac tattagagga aagaggagaa aacaatttca agagtttttag    240

tgctaacaac atctatgaat ggaacataga tgcacaaacg gagtataata tcatgaatac    300

actccaacat atgaccatgg ttgctacggc ttaccaaacc tcccacgaat gttcaaaaga    360

gaccattata gatatctt                                                 378
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<210>   17091
<211>   406
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17091

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tttgaagaat gtgttttgct acaaagtacc gatactttaa tttgcttcat gcatctatac    120

ctgataccaa tatattgata tatttcactg gtacatatat gtgaagacca aatctttaaa    180

aaaattatga aaatcaaata tagtgacata gaagtaagta taatatagaa atataaaaag    240

tattgtttct tgatgaacca aatataaaaa ttgttttgtt tatagataat ttcaagaaag    300
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aaatgagatt gatcattgat agtaccattc ttatttgtga aaaataggaa aaaataattt   360

acaatntttt ntattntgtt tttagtaatg tctaagaagt atgtat   406

<210>   17092
<211>   373
<212>   DNA
<213>   Glycine max

<400>   17092

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ggtttacatg tcaccaaaac tgtggtatct cagagtcaat gtaatagaag ctcaagatgt 120

gataccgggt gacagatacc gcctaccgga ggtttttgtg aaagctcaag tgagctgcca 180

agtgctgaca accaagatat gccccagcag aacaaccacc ccattctgga acgaagattt 240

gatctttgta gcctgtgagc catttgagga gcaattaaca atcactgtgg aggatcgtgt 300

gcacccttca aaagatgagg tactggggaa gataagccta ccaatgaccc tctttgagaa 360

gcgattagac cat   373

<210>   17093
<211>   398
<212>   DNA
<213>   Glycine max

<400>   17093

tatcctatat gacactcctt ataccaccaa atctctaagt ctttcacttt taaagtcctg   60

ctgaatgggt acaaagtgac ttgcagcaat ttgatgagta actcaacatt atatataatt 120

agtgcaaagg cacttatgtt catcaaattt taaaatccta tacatatcta aaatgaactt 180

aatgttaatt tcaggatgtg tcaaacatca tatactcatt tatgaaatgt gtgggattca 240

cccatctaaa tttggaagag attacggaat gcaggattgt ttataatcat tggaggaatg 300

ttacacaaat tggttatgaa tagaagactt ttgcacaatc acgaaatttg gaagctaaaa 360

ctcaaattat atttgagttc ctagatgcaa catctaac   398

<210>   17094
<211>   348
<212>   DNA
<213>   Glycine max

<400>   17094

gacatgaaga atgtgcagct actgagcatt cactcaatac ggtctaaagt tcactaaata   60

tgacacattc gttcgcgaga aaccacctca ttcggtggaa tgaggatgag atgcgacgaa   120

atccataaca tgttatccac gatactcgta ttattataga cgtaagaaga atcttaatat   180

acatgctcta atcgctgtac atagaatccc atagaccaat ggatcacttg gctcggcgga   240

tgagtgagct aaggcttgaa gttcggtcgc ttactttaat acaacacaga ctacgttgtg   300

cgagaaaatt acatcatatg aataatatat aatactacac ttggatac   348

<210>   17095
<211>   482
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17095

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agcatcgcga cacggaacac acaacctcga catgtggtgc atcgagcacc aagtgcgcct   120

tggatttatc taaggacaat ggcgcgagac tgacgatcca aaagccgcca ttccaacacg   180

gcgaggccac tacgaagaaa cctaacaccg aagccaagcg cgagaaaccg gagaggagta   240

gcagaatcta gcccacaccc ctgattgacc agacgagcac gaccactata ccataccggt   300

ggagctcaac aaaaatcgaa catccaacga agataacaag ccgtacacgg aacaactaaa   360

cacgggatgc agagacagcc accacaagag acaaggggac ttagtcacga ctctcggaag   420

ccacaagagt gccggaccat aatgatcagc tgttcacagg caaagaaacg tcaaaccata   480

ag   482

<210>   17096
<211>   467
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17096

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gggtacaccg gggatcctcc tgcaggggac ctgttttgtt tgctcttttt gaacaacatt   120

ctcgagccgg ctgaggtggg atccttgtga cgcataatcc tcttctttag gatctagtcc   180

ttgaccgaca tgactctttc agacagtatc cagatcattc tgattatgct actgattacg   240

ccttgccaac attgatctag atcgcattat tatattggtg taacttcctg aacattttgc   300

atgttatctg gctaatgttg cattacgtgc ctacgagcga attcggacaa ataatatagg   360

tgtaatttat gatactcact aacttgttag acgtcgtccc atcataacgt ggagaattcc   420

ttcactactt atttatggag aactttcgtg ataaaataaa ttacgcg   467

<210>   17097
<211>   754
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17097

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gaaaaaangc gagacacana nncacccacn acnnncaaag agagaggtnn tggaaatcga   120

agtccactnc gcatangccc cgnanannac nnanacaaaa nacnncaggg cngaggagcg   180

cagaancang gcgcnactgc aaggcaggag cncaactaan cgagaggtan ttagntcata   240

gacacacaca cacnacgacg cgcgcacaca naaggcgaga gcagagcgac gagncgaaac   300

cnacgcgcgc nctacagcca taagcgagcg acataacaga gctaaaccg cagcaggcac   360

acacaggaag cacagcacac gccaccgcgc gcacacatac gcctgttaca cctccgggtg   420

cagagatata ccgtacgagg ccagaagata ccgcagcgag aagctaccaa cgagagcgac   480

gcacacctag caagcactca ggacacagat aaccaacagc tcacacacac acaaaggcgg   540

cggcacacgc acaggacaga tcgcaaaaag cacacggacg cctacacgtg gcagcacgca   600

aacggcagcc gggagagaca cacagccccg caccgccgac tgtaagaacg cagcgccaac   660

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gaacagcacg aacacgcgca ggggaccaca cccc   754

<210>   17098
<211>   104
<212>   DNA
<213>   Glycine max

7170

<400>   17098

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tgatctctta cttcggtgta ttgcaacttt aatatctaga aggg   104

<210>   17099
<211>   332
<212>   DNA
<213>   Glycine max

<400>   17099

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atgatgcact tccatttagc atactgtcat ctaattgaaa gttgcatccc cgacaaccaa   120

gatttcctta ctatcatcgc tcgaggcatg tatgtgattc tcacacttat gtgcttaagt   180

attataggca atggttaaca tgttactatt cttttgtagt acattgtatt tcattgaggg   240

agccataggt ccccgtttga gattgcgtac gacgattaat acggataggt tggattaatt   300

gttgaattca tacttgaatt gtccgattgg ac   332

<210>   17100
<211>   118
<212>   DNA
<213>   Glycine max

<400>   17100

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gttattatct ctcattcatg cgacgcaagc aaacgtttaa cgtcaccaga aactgcct   118

<210>   17101
<211>   357
<212>   DNA
<213>   Glycine max

<400>   17101

ttcttctcat cagaagccac tctccaacca taatattggc catcaatatt ctgctcattg   60

aaataaaata aaataaaata aacaggacca aaaagtaca tatgagcaaa atttcaatgc   120

cctgaggcat aagcatcagc gcaactcatc atttggataa tgaatgaaca tttacagaca   180

tataaattcg gcaaagtcat gcttctacag tctacttggt catcattatg cggctacagt   240

7171

tggcccaatc tttcctgcat gaaagaaaga aacaatttta atccatgttt cagagcagga   300

aaataaaaat gataaataaa ccatcacatt ttttgaaaaa ggaatttatg tagatag   357

<210>   17102
<211>   268
<212>   DNA
<213>   Glycine max

<400>   17102

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gcggacgtag gcacctaaag tcctgatcag ggtatgcaac ccctcaaaga atactcttcc   120

tagcgacttt gtaagccaca tcaagttcat cacacctttt ggatatgacc gctatttctt   180

ccttgaagga gaacttccgt tcacataaac ctttgtctgg aaagcaaagt gtcctccaat   240

aaagatggac tgactgccat gagatgct   268

<210>   17103
<211>   356
<212>   DNA
<213>   Glycine max

<400>   17103

tatcttggtt cgatggggtg ggtattgata tggatgaaac tactattcaa tacactaatg   60

aagcccaaca agctattacc gagaggccca agtgagttag catgaagcca aaaaattgaa   120

ttgtttatat tcattacaca tgattattat agtggggttt attaacggac cattctaaaa   180

gttaatagtg gaattctgtt agaggggaat tggggaaaat attcgagtgt taagactgtc   240

gtcctttata taatacttac tatattggtg aaaaggtatc aatgagaata ttgtctattt   300

cttctctcta ctatcttgct ataggatcct ctatccttta atttagagaa ctcctt   356

<210>   17104
<211>   383
<212>   DNA
<213>   Glycine max

<400>   17104

tgatttggtt atacaaggct caatttgtgc tatcttatgt gctaaatggc ctaaatagta   60

ctttatttct tttcaattat tcatcttgga atcatgggaa acacaaaagt tgacatataa   120

tacatttata gcatattagc ctgatgatta aattgattgt aagccctcat gttttggggt 180

agagagcgga agaactgaca actccatatc ctttctgtgt catatgtctc tgaccaaggt 240

ggagaaacat cagtcaatat tagcattaat tattggttat cattcttggt cttcatgtga 300

atttgatttc ccatagtctc tcttgctgcc attaccatca tcttaattat caatacaacc 360

caagaattat gttgtggaat att   383

<210>   17105
<211>   357
<212>   DNA
<213>   Glycine max

<400>   17105

ttcttcaaca tcagaccact tccagggtgc tggaactact tcacatggac ttgatggggc   60

ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgatttct 120

ccagatttac ctgggtcaac tttatcagag agaaatcaga cacctttgaa gtattcaagg 180

agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatc aggagtgacc 240

atggcagaga gtttgaaaac agcaggttta ctgaattctg cacatctgaa ggcatcactc 300

atgagttctc tgcagccatt acaccacaac aaaatgacat agttgaaagg aaaaaca   357

<210>   17106
<211>   377
<212>   DNA
<213>   Glycine max

<400>   17106

tgtgtgttgg tgctttgggt catttctcag tttgttcatt tgaaacatga aaacaaacac   60

acctatagaa gtcaataatg tttagatggg atatggagtt ttgaacttat aatgtttat 120

gttgttttga agtagacatt ggagaacttt acttttatgc ttttcctttt cttagttgtt 180

cacaatattt tcttcagcgc ttatcctatg gtgtttttat gtatttaaca gagggatcat 240

gccaaaaaga gattggatag tcatcacttt gaacctaatg gaagtagcgg taaactgccc 300

tgttatctga taatatattt agaacactct tctgtagtca gtattatatt tttttcatgc 360

ttgatgtttt taactgt   377

<210>   17107

<211>   377
<212>   DNA
<213>   Glycine max

<400>   17107

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ttcgccaagt atccccattg aaaaaccttt attcaaacct ttcaaagtta gtgagaaggc   120

taaacgaaaa attagggaac ttagaaaaac taaatcctta attgaaggcg taggtgataa   180

ccatagtgaa ttacttaaca agattggtag tttacttaaa gtcattccag atactcccca   240

agcctcggaa aatacttcca aaatggtaac aagaagtacc tacaaattaa ttaatgttat   300

aattgaagat agtgaccaaa gctcagataa cacaactgag ataggatcag tgtcagaaat   360

gaatataaat ccaatta   377

<210>   17108
<211>   392
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17108

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ctggacaatc attgcccttt ctggcctcga ccatctactt ttcctccacc accgaccacc   120

acgccttcgc cagctatggc tcctccttcg gtgcccgtat ttccgcctcc agtgaagcct   180

caagcctcgg atcccattaa atggctatcc tatgaggagc tcaccttgcg atgtgaacat   240

ggtatttgtt tcaactacga tgagaaattt catcgcggcc acaaatgcgc tctctaaggct   300

tttctactca ttatggacga tgatgaccct tttgaagacg ctgctccttt ggtggagccc   360

tcacccgaac cacctgatac ccatgaccca ct   392

<210>   17109
<211>   378
<212>   DNA
<213>   Glycine max

<400>   17109

agcttgaaga ttagactata cgaggtatct tccttgggta tagcaatatc tctaagggct   60

actgtgtcta caacttgcaa actaagaaac tcgtcatcag tcgagatgtt gaagttgatg   120

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agtacgcttc ttggaattgg gatgaagaaa aagtggagaa gaacgttctt atacccgctc     180

aactacctca agaagaagct gaggaagaag acccaggtga accaccttca cctgcaccac     240

aacaacaaga tcaagaacta tcatcaccag agtctactcc aagatgagta agatctttgg     300

tggacatata tgaaacctgt aacttagcca tacttgaacc tggaagcttt gaagaagcgt     360

caaagcagga catatggg                                                   378
```

<210>   17110
<211>   401
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17110

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tccacatcaa gcaagtgcat ctcaaagctc ttatgctaac aatttaattc aaaagttgga      60

gaatttgctt ggaaaccttg tagctgtgct taaaggacga attgcagaaa atccacaaat     120

taatcaagtc ttagaagcta tagatcaaga ggtatgaatt tataattcta cttattcgac     180

gatttaacta tgatatgata ctttacaaag aagaaacatt cttttaattt acgtacctac     240

aaatggttct actagtcaag atcatcaaac tacaaacaat cttaactaga ggttaggtga     300

aatatacatg gtaatgaaga tgcgagccgg tgacataatg ttatttcacg aacatgattt     360

anatggtaat gaagatgtga gccgacgaca taatgttcaa g                         401
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<210>   17111
<211>   377
<212>   DNA
<213>   Glycine max

<400>   17111

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atcttcataa atggtgacaa aattgtgttc ataacacgtt tcatgaattt tttcgactct      60

cgtatcttta gagaagggaa ccaaagtgcc gatctcttgg caaattatgg tcttcatgca     120

agtgatccta tttggtggga tcatctcctc cttttatttt cttaagcttt tatttgtaat     180

aaaaggtttt ttttttacc agaatttagg tcttgttgag tctatttgca tgggttttgg     240

ttattatagt gtggtatatg attactagat tatattggtg tcaacataat tgggattagt     300

taatatgttg tgatgttgtg cacttcaata agtttataaa aaaatcattc tacattaaga     360
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tgagtcatct aattatt   377

<210>   17112
<211>   335
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17112

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gagacttcta tatttattaa agtgggtttt ttgtgaagta cctcacaaaa atagattctt   120

cctanctagg gggattccac tctacacttc tcatagatat acaataaata tagtggaagt   180

gggttctctt gatgagaaag aagaacagat ttctctcata aggaggttga tgatatgtct   240

tgattcaatc ggttgtttta aaaaatcagc ttaggctttt nagaaatttt cacactgtcg   300

tggtgagaca catgtggtgg tgcaagttga cactg   335

<210>   17113
<211>   372
<212>   DNA
<213>   Glycine max

<400>   17113

agcttcttat ttcttgctca tcttggtggt gaagctcctt cttccatggc ttattcctta   60

atggatgacg cctcctctca cctattttcc tttgtcttcc gctgcatctc catggtggaa   120

aatcaccatt aaaggacccc attgaagctc aaagatccag cctccataga agctccacaa   180

gcaagcttcc atcacttccg ttttcaattt cgagcgtctc catatattac agggcacaat   240

cggacatacg attcaaaagt tattgtcgtt ggaatttgct cacagcttca gctttcaatt   300

acgagcgtct cgatatattt cagggctcac ttggacatcc gagttaaaag ttattgtcga   360

tcgatttttc tt   372

<210>   17114
<211>   136
<212>   DNA
<213>   Glycine max

<400>   17114

gaaaacagaa gctctgagaa aaatcaaacg ataataactt ttaactcgga tgttcgattg   60

aaccctgtaa tatatcgaga cgctcgaaat tgaaagcgga agctttaaga aaagtcaaac   120

gaaaataact tttgac   136


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<210>      17115
<211>      354
<212>      DNA
<213>      Glycine max

<400>      17115
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ttcttagacg accttgtttg agtcgagaat actttattat ttatttggac aagtttgaat   60

atgatgtaga agaaatgaa tgtgagcctt tttccccttt gaaagactta aaaaaaaagt   120

tttaaaaata cttttaatta agatttgaat ttttttttcct tattagtata tatgtgaggg   180

gtagagagtg tcacaagata ttaggagctt ccatgggtta gcaagcttct ataaaaggtt   240

cgttcctaat ttctctacaa ttgcatcacc tctcaatgag ctggtgaaga aagatgtggc   300

atttacctgg ggtgaaaaac aagagcaagc ctttgctttg ttcatagaaa agct   354


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<210>      17116
<211>      396
<212>      DNA
<213>      Glycine max

<400>      17116
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tatgccccac tctcttgctc atactagcct tactttagca tatatattct ttactttcct   60

cactcatatt cttacttgag catcgaagtc ctttgttttg caagtccccc ctcctgtcaa   120

gggtacctct ctaagccgac gcgtgaagtt caggaccgca ctcaaccacg tccatcccaa   180

cgtgtcacgg ttccggattt tggcaagaac aagtttaaat aattaaacca atggtgataa   240

gtgagatgtg aaagaagaac ctggccatct agctaagaag cgaccaatat acaaatgatg   300

gattagagaa gatgggattt cttgttgttg ggcaagaaga ggctctctcc tcaataagaa   360

ggtttcttcc atatcacatt cttccactca ctcact   396


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<210>      17117
<211>      503
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
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7177

<400> 17117

gacacgcgtt nggnnttgat ngccttggat agcatacggc tactataagg tgagttcccg   60

ctgataccct gagtcctctg aggcacgcgt tctcttacat tatcatataa tggctagagg   120

tgatacttga catggattgg tttgggtaac tgatacaagg gaaccccag attaatctca   180

tgacacaacc tgctcaaaag atgtatgatt gtaggagaca ctatcatagc aaattcgtgg   240

gtcactgcac tagacaacac tatgatggca ctacatcaga gatgccgaaa tgctgatatg   300

cgcctatgtg aatgcaattg gcctcaagat gtgatttcca tctatgatac atcaacacac   360

tgtccccaac ctatggaact actatcaata agtgcattaa tacaacctca caaggacgaa   420

cggtaaaatt gcacagagtg aacccttcct gtgtactcat tctgacataa gactattgtg   480

atcaatgaat aatgttatat gaa   503

<210>   17118
<211>   377
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17118

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aaccctagag aaagagactt tgtagaagta tccttttctg aaatgggtgt tattttcgtg   120

accttcactg aaccccgatc acattgacgt gatcagaatt tcaaattgat gttcctttag   180

tagaatccga aatgccctca accctttcat gtagtgacat gggtatttga ctcagagtat   240

tgttgttaac tctatttctg aaatccatag taatttcctt cattctggcg taatagagac   300

ttacgttgga ccaacaagtg tgaacgagag agagacctct aagtgatgca nagaggaacc   360

gatgggatgc tcatgat   377

<210>   17119
<211>   368
<212>   DNA
<213>   Glycine max

<400>   17119

ttcttaagct ccttcaactg cacaaggctc ttaatatttg aagagtatcc ttgtggaacc   60

ttcacccgac gaagacactg acaaaaactt atctattcct tcttggacaa agtatggcag   120

7178

gctgggggca agtaaatttt cttcccatca gaccttggat gcaactgtga tcgtataccc   180

atatcagcta gatcttgacg ggtattcaag ccatccttcg tcttgccttg aatgttaagg   240

agcgtcccaa tcacactgtc acaaacattt ttctccacat ggataacatc aatacaatgt   300

ctaacgtcaa gatcacacta gtatggaaga tcaacgaaaa tggacctctt cttccatatg   360

caactctg   368

<210>   17120
<211>   378
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17120

tggctttggt ttagacatga ttgatacatg attttttact tgtaggaatt gatttgggca   60

agattggatg agaggaagtg ggattttcga aatctgcact tatgcagaat tttgctgtca   120

aaataggtgc agcagaattt tggctttgtg cagaaaaatg cttgtgtgtg gttggctgtg   180

gaaagtctag tgcagaatga gttctggatg tttgctagta gatcccaacg gtcaaaatgt   240

aggcttatgc actatagact tccagtaaaa ttttggagtc gatccaacgg ttaacgaatt   300

ggatcgaagg aattgttact ggggtcttta agtgagaaaa gctgtgattn tggttagtgt   360

gttgagcaga gttttct   378

<210>   17121
<211>   367
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17121

atcttgtaga aaggctagac atgatacatg tcanggtttg gtttggttca aagataaaag   60

ggatgcccca cattatttcc atgacacaaa tgcaaaaatg atgatttgga aactttacgc   120

aaaactggtc atgcatgcac ctatgtggac actcaagtgt caactttta tggtcatgtg   180

atgctaagtg tcgcaagatt catttcctct attttagtca acccaacgtt tccaaaatat   240

gttctttat ccatttgtgc attcatccaa gtccatttcg ggcgttcgag aaaattttca   300

cagcattcac ccttcaggtg tatacacatt tttttaaaa atcggttatg atcaatgaat   360

<210>   17122
<211>   249
<212>   DNA
<213>   Glycine max

<400>.   17122

taattcacat aaataatatg tttaaaaaag tgtataccta atgaaaggag caaaatgggt   60

aaaaagaacc catacgttgt aagggaaata cactaatagt ttacgtgtga ggtcatgtga   120

tagttaatca cttatcaatt aagtataggt cttgattgaa tgcatgatca cggcaaacaa   180

ttgatggtca ctgtgaaaag atgctagtct aagatattct ttatgatttg aggtggataa   240

ttgaatctt   249

<210>   17123
<211>   233
<212>   DNA
<213>   Glycine max

<400>   17123

ttacctctat cttctgtgaa cgtctgctgc gtctacaggg tggaaaatca ccattaaagg   60

acctcttaga aactcaaaga tccagcctcc atagaaactt cacaagcaag tttcattaat   120

aatactaagc acactacaat cttaaagact aaacatatga tgtattctat tattgtttaa   180

tgcttaactt aataactata gggtcactgt aaatcttctt ggtacggtca ctc   233

<210>   17124
<211>   370
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17124

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tgataaatca gcttcaaatc aaacaacctg caattgagtg ctctcgtcca gtacgacaac   120

gtcttggata tggatgttca ctgcacccaa gaattggtct tttgagatca atgctgaaat   180

caggatctcc aagatcattg taaacatcat aatcatagat tctttcataa ctcttacgtt   240

ctccttctcc atttcctctc aatagcatta gctccacttc tctaagtctt ctcaacccac   300

atggtgtttg tgatggcaaa taagactgtt tcagaataag ttaactcgat ttaaaaaaaa   360

aaagcctata   370

<210>   17125
<211>   354
<212>   DNA
<213>   Glycine max

<400>   17125

ttctttacaa ttacaatatg cattcctcta gatacaattc cagtgcatac taattggttg   60

ggatattgat tatcatgttc tcttttgctc aagtggcatt ttctacttga agtctagaca   120

ttgaatttat gaggtttttt cttccttatt gctaaatcac atgaggcata attaattaga   180

aagagcatct atgcctaaat ataatattca aagtgcatca gtcttattta tttatttgga   240

taaacataat tgataattta ttaagataga aaggagaggt acgaatgtga gagaataaga   300

aactaaatag taacaaaata aaaaggaaaa taaaaataaa aatgagaaac atac   354

<210>   17126
<211>   399
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17126

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cacaccatag tgccaatttt gggaaaaggg ctctagaggc agcaagagga gcaatttttg   120

tagagatacc taggttttgt aatctcatta ttgttagggt ttcttctata atggttggtt   180

aaacactctt gttggggatt tctaaagaac aactgatgta attattttaa tatctaattg   240

attgtgtttc ttgtgttcaa tgcttctttc agtgcttaaa ttatgtatgc tcttggtctg   300

atcacccatt tgtgtgcata gttaggtgac tntagcattg ngaaatgtat tgttgcctta   360

gaacttgaat gaagcagaat tgaaacttag tcttacaag   399

<210>   17127
<211>   350
<212>   DNA
<213>   Glycine max

<400>   17127

tttttcaaac cacaacaaca aaaaatctag gtgtccaaaa cccctcaatt caatgggttt   60

tctaagtttg aaaagtgaaa tttagaatga ggtaaatttg aagcaaactc tcacctcaca   120

caagtccata acatcaatct aaacttgctc aaactgaatt tacacctaaa attccaccga   180

atcaaaattt gactcttcaa cacccaattt tgccctacaa atggctcttt gttcactttg   240

gtcattcgtt tttctctcta gttcagccta acctttctca catgtcctaa atgacatttc   300

aaactagtat taactcactt taacctccat ataccacaga attcagactt   350

<210>   17128
<211>   357
<212>   DNA
<213>   Glycine max

<400>   17128

tctgcttctt ttccctataa ataggggaat gttgttgtaa caaaaagatt caaccctcct   60

gggatctaag attcactcaa aattagtgag aagaatgttt ctgtgaagag aatccaagcc   120

gaggcgcttt cgtgacgtgt tcgtgggtga ttacgcatag attgtcgacc gctcttcatt   180

cgctcttgca caatgttcgg tcttcagccg gtaagttacc gaaatcgtac ttttcgatgc   240

attctatgta cccttagtgg tcctcatttg tttcgcgagc tttcatgttc attacattta   300

ctttccgaac ccccttgtga cgtgctttag atatttattt aagtcattgt ctcggct   357

<210>   17129
<211>   354
<212>   DNA
<213>   Glycine max

<400>   17129

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atgacgatct ttttatttct tggaaggtat cacagggtaa ggtacttcca caccttcatc   120

cacaactttt tgactcctac tcttctttgc attcttatta ttttttttcat tttctatttc   180

ttttttcttttt tcttggtcct tctattcttt attcttaacc attgtttgtt cctctttttc   240

ttgattactt tcacctctca cctcattttt cttgccatca gtacttttct tgtcatcatt   300

tttcttctca tgtacaacat tatcctcatc ctcaacctcc acaaaccttt tact   354

<210> 17130
<211> 395
<212> DNA
<213> Glycine max

<400> 17130

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tctcaaggaa gttttctcaa aaaagcttct catggaagct acctagtcta taaatagaag    60

catgtgtaac acttgttgta actttgatga atgagagtct tgtgagacac aactcaaagt   120

tcaacttctc tcccgctttt cctccttcaa tttcatgctc cccctctctc tttctctctc   180

tctttctttt tctccattga agcatccttt ccaagcttct tatccaaggc acattcttgg   240

tggcgaaact ccttcttcca ttgcttattc cctagtagat ggcgcctcct ctcacctctt   300

ctcctttgtc ttccgctgca tctccatggt ggaaaatcac cattgaagga cctcattgaa   360

gctcacagat ccagccttca tagaagctcc acaag                              395
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<210> 17131
<211> 336
<212> DNA
<213> Glycine max

<400> 17131

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cctcgatgga gaagcagtca caatctatag aatttatgtt tggacttaat tgtaaaaact    60

aactcaaggt aagaattgcc gtcacttata atttcacaat actaccagct agttgatgtc   120

accccaacaa gtcgggagat ggacgtctca attatgaact ttgcaggatt aggcatcttt   180

gtgagggttg ataacaacct tgataacatg tgacccaata agccaacaac cacccttatt   240

ttgaagccat attagcattc aagtttaggt cttacttaac ttctaaaagc tagtttgata   300

ggtgaaaatt gcccccttat accactagtc tatgtg                             336
```

<210> 17132
<211> 434
<212> DNA
<213> Glycine max

<400> 17132

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caccgaccct cctccctctc gggtccgcga cccacccccc caggctgact tgacgtgaca    60

caaccactga ctgaaaaggg cgctgacgtg gctattggac cgaagaactg gaatttgaat   120
```

```
tagctatatg ttaaatttgt tccgaaaaag aagaaagata agattaccta aatttgacgg   180

gcctgcaaat acaggcattg accctaccca ttgcctattt aagatcttat taatgactag   240

cttaagaata tattaaataa aaatatgtaa ggagttcatt tttaatggct taaataggat   300

atgaaatttt ttattttaat ataagagcat cgtatacaaa tgtgggaatt tatttttagc   360

tgatttttac aaaagaataa caatagtatt gttatgatca tctctaagtg gcaatatcac   420

acatcatcaa aaca                                                      434
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```
<210>        17133
<211>        675
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        17133
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tgcatacctc gcgtcctaac atacttcgcg ccgcggtaaa aataacttct gtgggcacgn    60

aggcgactca cgagcgcagc gataantcgc tgtgtcgccg tgttgagaac attgggagaa   120

cgcgagaaca ctccataagg acaacgccct cgtgacatcg cggtttnctt gcacaatatt   180

accgtcacta tgtattgana gagcagacga caaatagtag cactgcaccg atgtgtattc   240

tctatgtgtg ctctctcgaa ctctccacaa tacttttaac ctcaatacaa gaaccataac   300

atgcacacta gagtcgctag atctctacat gaggtcgtca caccaatcta taaaaagctc   360

aacagactga ctgacactct aggtaacact atgtatttag angccatgga atcggaatat   420

cttcatctct gccacacagc atagattaac ttcacattcg ctccgaccac cactctggga   480

tgacatatct atttctgcga atctcctcac acaaaagtta gtccaaaaag ctcagatgat   540

cttcctgacc agcacttcat gaattctgaa cccatccaca catcctctac aaattgtgtt   600

cccaatgaac aaattacccg aanggttaat ccccagttct attctttcta tccgccaacc   660

atctgacgtg attcc                                                     675
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<210>        17134
<211>        326
<212>        DNA
<213>        Glycine max

<400>        17134
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atactcagct tgttttcttc tatgtaattg tttaaaacaa tccttattaa cactttttta     60

ctttctggta gaacctcaga gtattttaca agactcttag atctgagatt tgaattaatc    120

accacttaaa ctctctcact cttttcgca aatttattat gtaagaatga aatccaaaat     180

tctttcacat atgaatcata tttattgagt acttgagtat catacttgaa tccaaagcac    240

aagaatggta ttataggaaa tgatacagta cacgaagctc cattttgggt acttgcaata    300

tccattcaat tgagaaacac tgctct                                        326
```

<210>   17135
<211>   429
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17135

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tgccacggtc cgagcattgt gatgagtggg taacataccc aggcgcaacc ccttcgaaaa     60

cctatcgacg atgacaaaga tacacgtgtt gcccttgtaa gagggtaatc ccacgataaa    120

gtccatggat aaataatccc atggttgtac tggtatcgga agaggactca acagcccatc    180

tggttttctg ttatcgtatt tggtacattg gcacgttaag catcctgcta tgaaggcacg    240

ggtatcagct ctaacggaat cccacgtaaa gttttcttgt aagcgatgaa gcgttttctg    300

aatccccatg tgaccacctg tcggagattg gtggaatgct ctagtaaca acttagtgaa     360

ggaggaattt gagggaatcc anatacggcc tctgtgtaag atcanataag cagttaacgt    420

gtactctgg                                                           429
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<210>   17136
<211>   288
<212>   DNA
<213>   Glycine max

<400>   17136

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acagagtggt acctggagat atgttgcggg ggtcatgaga actttgggac gttaggtggg     60

gtgctattgc ccaaaaccaa acttgaccaa tccccaccca acctgggcat agtcagtcag    120

tgagaaccta tgatgtacct aaacatgcga gcttctggca gtccaccgat taaagaacaa    180

agaccacata acaaggaggc ttgtgtggtg gctgaccaac tatggatctt gagtgatatt    240

tggtatatgg cctctggtaa tcgattacca aggggggta atcgatta                  288
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<210>       17137
<211>       335
<212>       DNA
<213>       Glycine max

<400>       17137

agacgctcga aattggatgt tgaagctctg agcctattta cgcgacatat cttttactc   60

ggatgtctga ttgaagcccg aaatatatcg agacgctcga cgatgaatgt ggaagctctg  120

agccaaatca cacgacaata actttctact cggatgtccg attgaatcct ggcatatatc  180

gagacgctcg agattgaatg ttgaacctct gagcgaatgc caacgacaat aactgtgtac  240

tcagaagtct gatatagtct cggaatatat caagacgctc gaaattgatg ttgagctctg  300

acaaattcaa caacataact tttactggat gggga                            335


<210>       17138
<211>       547
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       17138

actctcatgt aacngagcat gtntgtgcga ccaagaatat cacgcgctgg cctanttact   60

attccncncc cccactagag cccttgaccc tttgattcat gaactccagg cacaacaaaa  120

cgccgctagt tcaggcctga tgcagacgct actctctatc tggcagctga cgggacactg  180

caatacatta ctgtaacact gccagaatgg agctacagtg taaacaacgt ccgtcagata  240

atgtcaaacc tgcgggaaca ttggaaggct agcagcgcat ttaaggcatc caaaggggac  300

tataaacaaa gggtatccat tacaatctgc tcctcaagga gaaccctata ctttacaaac  360

tctgtttgat actgattcga gaatggaaaa tggctgaccg acaaaccaaa tttgtgagga  420

agaattctca tcgagcctaa acctgtgaca agatcgtcaa caaccaaaac tcgcgtgcct  480

cgacgacaaa caagctgaaa catcaagctc ggctgtactt gaatacaaca tctatggaat  540

caatccc                                                           547


<210>       17139
<211>       644
<212>       DNA
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tcgtggcgca taccaacgtg ctgagatcgg gacactcacg atagatatct agctgatgac   60

tgtaganacc ccccccccc ncncaagcga tggcattgaa accttttgat nccntcgaca   120

ctatcagaag acacaaccnn aannctctac gcggtgacgc atatgtaggt agcgacaaga   180

tgtatatcgt taacagtgtt tagtattcgt attggagcgt gacgtctaga tagggaattg   240

ttcttagtat gtatacacga tgactggaag aacatagngg tgaaagagtg ataaaaggat   300

cattgtatgc ctggagaaat gatcggctac tgaaactcag atagaacgga tgtgatggaa   360

ctgtagtgca tgggatgaaa tagactagag tagattgcct aagaactatt tgtactgttg   420

ggaagagata tctctgctaa acgtgacatc tgtgtggcct ctattaagaa caggtggtgg   480

tggtaatatg caatgaagtt cattcatttg ctgtgataat taataagggt aggcttgtgg   540

gagtggtgta aaagagaaga ccaagaaaga atgttctgca gttgaccatt tagaaatcat   600

actagcagtg tcagcatacg atattgacgt cttgaatgaa taag   644

tggagctagg tcatgaaata aggtgttttc aacgagtgag gcctttcaag tttcaaacga   60

tgacgaggac caccatagcg caagtagctc aacagtccag cacgatagcg atgacgacga   120

tcactacgac gcgagtagct cagtaagagt cattttcggg ggtgaatagc ttgaacaagg   180

tagagtgagt cacaagaatc attctcgggg gttgttgtac gatgcctttt cgagtttttg   240

taaacccgtg gactcggagc aaactcgcga gtttaccaaa cctcgtccga gtctacgcan   300

aatcggacga gtttactccg ngttcgattc tgctttcgat ttaacttgcc aacccttagt   360

ag
                                                                      362

<213>   Glycine max

<223>   unsure at all n locations
<400>   17141

cacgatacga cccgcggtgc cgtacgacgc tacagacatt ggcgtgatct cgcatacaca   60

ccacccnccg ccgcatggat gaaacctgta gancngtgtt gaatcactag acaagcagtg   120

aancttgaga atactcacgc ttaacaacag tacttttacc cacgtttttc cgaaacctat   180

gtgacagtgg atttctcata tgtaccaata tgtaactaag catgtgaaat ggtcgcatca   240

atagatgctg ctatgacatc aacctttgga cacatccctt tacctaacaa ggaagtcgat   300

actatcagta cccttcttca atatacagaa tgatgcacca tgcaaacata tcgtaataca   360

agaaatgcca ccactaataa tcagcctaat actcataacc aatgaaatgc ctcatatccg   420

agttattcca tcttctaatc ttattggagt atctggagaa ttaaaaaaaa gcggctgggt   480

ctcccgttca acataaatct aacgtttaag tctattaatc actcaacaca gcgcgttatc   540

atattcaaca tgcacactat gcacagcaaa gagacggaat c   581

<210>   17142
<211>   402
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17142

tcanaacaca gcatcacaga atctaggtgt ccaacacccc tccattcaat gggtttctta   60

ggtttgagaa gtgaaattga gaatgaggta aatttgaagc aaactctcac ctcacacaag   120

tctataacat caatttagac ttgttcaaac tggatgtaca cctaaaatct caccgaatca   180

aaatttgact cttcacaccc aaatttgccc tagaaatggc tctttgttca ctttggtcat   240

ttgttttttct ctctagcaca gcctaacctt tctcataagt cctaaatgac atttcaagct   300

aagattaact cactttaacc tccatttacc acagaattca gacttaacct tccaactctc   360

aaagcctcac ttctttttcc actcataaca tcacattctc ac   402

<210>   17143
<211>   413
<212>   DNA
<213>   Glycine max

gtctatgtgg ataaaagagc ttaanaactg agatgttaga aaaggttggt tatccattat   60

aaatgtctta atcattttct caaagatgat aagtctccca tcccgaaagc ttcttcactc   120

ccaaccttga tcagaaaatc aaacttattt tcaaagtttg atttaaaatt agggtttttgg   180

caacttggct tacaactaga agatcagtat aaaactgaag atcagtatta aacagtcttt   240

tgtgttccga atgctcagta ccaatggaca gtccttcctt ttggtttaaa agtatcaccc   300

tttctcttcc acaaagccat gactaagatt tttagcctat tttggacaac atcattgntt   360

acatagatga tatccttttc tgttcaaaag acattgtctc tcataaaaac tta   413

<210>   17144
<211>   395
<212>   DNA
<213>   Glycine max

tcgtcaacat gaagttattt tcttacccaa cactcacgta ttctctccct tttagctatt   60

ggcccaaaca acctaacttc ttcaactttt tcttccatgg aaacttaacc tttaaagatc   120

tccacctttc ctagttttcc tggttggtat tggctcaaaa ccttcattaa ttcttttcat   180

ccttcacaag ttaagcgagc ttcttctttc ttttcttttg agaatagaga tacacaccat   240

tttaatttat tcctctcctt gtcatagttt tgtaagagct atggatggat tcatactctc   300

ctacccatat ttaccanata tttatgaata tatgtttttg gtggtggttt aagatgttta   360

aacacataat gaccaaggtc ttgacgttca tcaca   395

<210>   17145
<211>   433
<212>   DNA
<213>   Glycine max

nttatcttgc caagttcata caaaagtgtt acaacttaac ctaactgttt ctaattatat   60

gggccatcaa atctatcatg tgttgacagt aattgattag cctgtgaatt tcctcagggg   120

ctgaacacac ttcagtgatg gcctttgctt tggctagtag tcgcgggagg tcttgacttc   180

catttaaggt caaggcgaac ctatccatcc acatggtcgc ttcttgatgc aatgcatcaa 240

tcaccctccc tcttgcttcc ttttcggcgg acgcttgtgc gaaatcctcc actagctttt 300

gttcatgagt cacagactgg gttaactctt ccttggactg ccctatgatg gctagcatgc 360

ttcgctccgt ggcttccaag tgttgagcca aactcctctt ggatcttgag caaagagcta 420

aatcttcctt taa   433

<210>   17146
<211>   411
<212>   DNA
<213>   Glycine max

<400>   17146

tgtacttttg aacacttgct tatcttatcc agagctttca gtttctaaac taagtgcttt 60

taaactattt gcataacttt tgttgattct gttacttatg gtgtgtgtca cgtatttgtg 120

ttccattcct tgtttagtta tgatgcattt tttgatgata ctcaagtcat gtgtaacttt 180

tgaacatcta cctatccctt gactggagat atctttcaag catgcttttg atcatacaaa 240

acttttcatt tctattgcac tttgatatgg gaaaagcaag attttccttt catgattcta 300

gctagtaaac tctattctag tagtcctact tctattgggg ctgatcctat gtctggaagg 360

ttgacatact ttcaagtgaa tcttcgtacc tttcttgatg cttattgatc a   411

<210>   17147
<211>   352
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17147

tctagccaaa tggacttacc ttgtattaat tcctttgata gccctttttga gccttgtttc 60

cctttccttt gttngaagct cactacaagc cttaagtgaa aaaccatgat atcatcatat 120

ccttaaggaa ttttggagct ttggaattgt tttgggaata agtgtggggg gtttttgttt 180

cattggacaa cttgttttgg tggctatgct tcatgatgta ttttgggcca tacttgatgt 240

acattgtata ttggttaaat gttggacatg ctgaatgaaa tgttgtttct caaaggctat 300

agaataaaaa aaaaagaat aaaaaaaaat attcaaaaaa aaaattcgaa aa   352

<210> 17148
<211> 423
<212> DNA
<213> Glycine max

<400> 17148

ccatccttgc cctatgaccg tgtgaacgtg cacaccaaac tcagcttaga cataaaatca   60

tggttttttct tccttcaagc ctttttaggc ctttcctcca tcttagatga taataatatg   120

caattactct ttgacttacc ttccttggcg tgtcaactgt cgggataaac gccggtatat   180

ctcctcaggc taccaagcca accacactac tgagtgaaac tacattaacc ctaacctcac   240

cgtattgcac tcactatata atttcccctt atgcgagtaa actcagctaa gctatcctta   300

gatcttactt atggccacac tcaccatttt tgtgacttga cttacactta cctccgacat   360

aaggattata ggttatgggc ccttattcct tacctgtcat tttatcaatg ggatcatgga   420

tgc   423

<210> 17149
<211> 535
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17149

cgggcgacac acactncgcg cgaacgtgtg atcaacacgc gcacaggccc gatnanctcc   60

cnnccccccn ncccaccga gcatggaacc gcttgatncc agtgaacacc cagngacact   120

atagacaacc caagcgtgtg aacgtagata tagtccacca ttatacaaca tgttgatcta   180

tctgctagga ggacatcaga tatatagata catacatata catatatact gcacgtgaga   240

aatcgagact cacgggcgca tatcaaagtt ccatacttac tggattcact gggatagcgc   300

gtgtatacta catacaactc atatcgccat actcaatcga cccacaagat tccatagccg   360

cgctatgaga tgatctgaaa acactcgagc cacgcgatga acctgagaca tgagaaatgc   420

gacctgagac tacaaactgt gaagagacga gataacggca aggcaacatg tgtaattcgg   480

aaaatccgga aaagcacgag ggatggacat tggaaaggta aatgggaccg agacn   535

<210> 17150
<211> 406

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17150

cgcgaatgca aacatttgga aagttagttt taccagaggg acactactct taaaacaaaa   60

atggcataca acctcctccc ataaatacaa acatcaatgt aaatttagag caagcttatg   120

tgcatatttc cttacgaacg ttcacttgca caagacattc tattaactaa gaaaaatgca   180

cccatataca atcaaggcag cttcgttacc tagattattt acatgtactt ccaaggtgta   240

tttgttactt acatcacaca catcgtcttg gctgaattac atacatgcat actcaaagca   300

ntttggggtc ccaaaaattg acatgtgcac atcttggtat tcctaatacc tatacataca   360

ccaacttcat gatgaatcct gactatctac acaataaggt gctaca   406

<210>   17151
<211>   403
<212>   DNA
<213>   Glycine max

<400>   17151

tgcatgattc atattctccc cctttgtcaa gcatattctt tttgatatca tcaaaacctg   60

catgatttac attctccccc tttttgatga tgacaagcat tatccaaggc ttgatctttt   120

tgacatcatc aaaatcttca tgatttacat tctccccctt tttgatgatg acaaccactt   180

gtaggttagg agcaacaaca aataaaaaaa tatctatttg catatagttt actccccctt   240

ggttttgcaa tgtttgctta tatgagacaa ttgaagattt catatttttc atatataaaa   300

agttgtctca tataaagaat agataatttt cttactattt atctttatct ttctctcccc   360

tttgcaacat caatacaatc atgaatgaga ggagaaaatg tac   403

<210>   17152
<211>   302
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17152

ctcagcttga ccattccctt gcctctttgt tggtttgcta ttangtactc angcacatca   60

cgtangtgcg gaggtggtgg attcttgctc aaaactttgt catgcttcag tagatctgtt   120

caaatacaat ttcaatcctt taaatttaac ttcaaacata agttttaaaa aaaataaaaa 180

acaataaatg ccaattgtat attttaacga taacatcaac ctattacatt acctaggtct 240

tttggattag tttcgaagtg ggctttcaac ctaaaataaa agcacaagtt tgcagaaatg 300

aa 302

<210>   17153
<211>   381
<212>   DNA
<213>   Glycine max

<400>   17153

tcatactcca catattttgt tcctgatcga gccatatata ccatatagta ggtgcctata   60

aaaaatcagt agctacctct tccagaatcc atagccccat gaccaaggtg tcggcctgta   120

ctttcttcac aacacaacat attacattct tggcatgtcc tacaccaacc acatatagta   180

gacaccatct agaatgttgt ccccttcatt gatttaacgt cattcaatta ggttgcctga   240

caaacaattc ataaagtgat atcaaaaaat cgaaatcata agcaatttaa cattatttat   300

acatcgttaa ctgatatcaa gatattcaag acataaaga catcctagat cgggaaacat   360

aaatgacaga gaatgaatac c 381

<210>   17154
<211>   443
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17154

ttgacctatg cgccaanaaa atttcagatt gcattgacta atctagatcg cacaatttca   60

aacttgagtg ttgttcacac gtcaattcat cattaacatc cttgtccaat gtctcaaaaa   120

aagaaacaat ccatattgca ccaactaaat caacaatgca gataacatcg attgttcaca   180

cgacaatgaa tcattacgtc ctctattgaa gtgtaagtta tttattaaaa gctctcatag   240

aaaaaaatgg gttatttaaa aaacataaaa aaatcacatt tttaaggtgt atttttcaaa   300

aaatcacaac gaaattgtat ttttgtatgg tatttctaga aactacataa cgaanatgaa   360

actttngtgt gtaaatttga aaaaatatcc tacaaaaacc tgttttcatt nntgtgtttt   420

7193

tcctcaacgg aataatattt tca   443

<210>   17155
<211>   443
<212>   DNA
<213>   Glycine max

<400>   17155

atgaagctaa ctaaagtaaa gatacatgaa cacctctaca ctacatatag tgagtgtttg   60

ttaaaaactt tcccatgtta acgaacattt tatccaataa cagcccaatg ttgcttctat 120

aattacttca tgattatatg agaatgcttg gttgaagcgc ctcacacgat aatccataat 180

catgtaccct tatttaaact tttacacaca cttacaagtt aacagaatac ctcacgatca 240

aacctatccc cagctatcac aattcaacct tcatctagat atttcttaag attgctgtcc 300

aatacaattt atcctataaa aaaaatcttt actaaataaa atggtaggtt ctctgagcat 360

tgtagtccaa tattaaatct tttcctgata acataaaata attttccttt cttctatttt 420

gagttactct tttacagtgg aca   443

<210>   17156
<211>   432
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17156

gtaatgtatt tataattttt ggtgtccatc attattatta taaatgatgt aagtaaaaaa   60

taataattaa tattacataa acaaaataca atgacaaata ttatttaggt gatattatta 120

ttaatatttt aacaaatttg cggcggagtt aaactaagct gcccaatggc cagatttata 180

atgacttgct tgctattcta caaaaggata aaaccaaaag tcaacgtcta gtttggttaa 240

ttacatgaac ctcctgatgg ctctgactgc aatttaaaga aaacagaaaa gaaacttgtc 300

tatatgacca ccatttctta ttttcacaca acattggtat tttttatgtc taaatccaca 360

nacttttgtt tagtttgtgc agtaaaatca gacataaatg aaatacacct tattttaatt 420

atctatgtga at   432

<210>   17157
<211>   418

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17157

cttcaaactc agcttggtaa caatatcctt tanataagaa aaatgtttat aatatcttat   60

caatactaat taatgaactt aaaggcgaaa tacggaagat aaaaaattac aatgttcata   120

ttttttatga tttatgcatt taatattttt tttcttttaa tttcttaact aatatctaaa   180

agcgctaatt aacaagaacc ataaaagtaa accaatgagt aactaacaat cccgttataa   240

aaaaaaaggt tatcatcatg tctttttttgg actaatcata tcatcctatg atttcatttg   300

acaaataata aagttaaaaa tgaatcgaaa ttaaaataca taggaccgaa taggagttat   360

gagttaatat atttaattaa gacacatatc tgttaacaan attgatacag cttgaatg   418

<210>   17158
<211>   376
<212>   DNA
<213>   Glycine max

<400>   17158

ttctattaag aagctgatac tctattctga tatcctatct aatagttcgg ttgtacttga   60

tagtatagtt attaaatcac cttagatagg atcatcttat caccactaat ctatatattt   120

taaaaatatg ttgattctag gagttagctt tccacagcta tcaccacttg tttatgtata   180

catgaaaaca ttcaagagat aatcacactc agattattcc cctaaatttc tttctttaac   240

attgccaaga aggctgtcag gcagtcaaaa agtgttggaa taagtggtca ttggtttcaa   300

agcccaaaaa gatgtagtat gtgttacatg ggaatgggca tagtaaccaa tttgattaag   360

accttctcgt ctgatc   376

<210>   17159
<211>   395
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17159

nttgaaatca aactnttcca ctggttatcg attacatgaa actggaagtc gatttccaga   60

gagtaaaact ctggtaactt aaaaaattnt gagaaaaact cttttgaaaa acaaaactgt   120

gctatgtttg ttttttgaaa aatcttttca atacttccca tgtgaggtct tcttgatttc 180

ttctctctaa tcttgaaatc aaacttctct tgattcttga atcttcttga ttcttctctt 240

gaaatttatc ttgatcttga acttgntgac tcaatcttga aatcattctt tngagctttt 300

tgtcatcatc tttgttatca tcaaaactac ttgaatcaac ttgattcatc atcatgaagc 360

ttgcttctac agtctctgcg tgtcaacggg ctcac 395

<210>   17160
<211>   355
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17160

ttntgtttaa tttcctaaac actttttaat gtctgttcat tttctctttt ccaagttctt 60

tcttctaagt tagtttggca tctttcaccc accaacccat cccatgtaac gaaaacatat 120

tangtaaagg taaatcaaag tgttttatcc aataatgtca ntccaaattg gtagttggaa 180

tacttcccaa ttaaaaacga caagttaaat gtaaccaccc tataaattaa gtggaagtat 240

taagcccatt tgggctaata tgggaagatt gagtcagatt gacagaggca tttcatacaa 300

aagagtatta ataatagtaa catacaacgg tattaatatt atggattaga ctgtg 355

<210>   17161
<211>   385
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17161

tcttagtctc aactgatgaa gatgtaattc gggctactct atgcactcct ctaatgacaa 60

tagcatcatt tttggcacta aattgctagg agtttgaagc catcttctca attaaatttc 120

tggcttcaat aggggtcatg tctccaaggg ctccaccact ggcagcatca atcatacttc 180

tctccatgtt actgagtcct tcataaaaat attggagaag aagctgctca gaaatctggt 240

ggtgagggca actgacacat agttntttaa atctctccca atattcatat aggctctctc 300

cactgagttg cctaatgcct gaaatatcct ttctaatggt cgtggtccta gaagcaggga 360

aattttttc tgagaatact ctctt 385

7196

<210>   17162
<211>   394
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17162

ntgacgggtt tgggagacga gttttagagg gggtttgaca ttttaatatt gagtttgttg   60

tgatgagata aagttgtatt gatactaatg tgtttaatca cattattgga gtacgatgag   120

gaagatgaat aagatactat ggatgctgtg taaagaatgc tagccatggt ggatataaat   180

aaataaaggt ccgacaaatt tgtggggtag cgttggctga gttgctcact tgctcacgag   240

ataatcttat ttacgaagct atgcagtaca ttacattgat gcttgtgtac cttttatgcc   300

actagtatga gcataaatca catgcgtcaa gttttccatg tgcatactac gttactacct   360

gcttatccgt ccaattgatt agatgtacta ttat   394

<210>   17163
<211>   362
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17163

ntcacgctct cttcttctcc atcttagctt tcacgctttt ttttttttg catctaaggc   60

ctctgttctc cgtctacctt gaagctcttt cttctgcatc tacctgaagc tctctgttct   120

ccaactacct tgaagctcat ttcgtataag ctcgagcatc gtttccgtcg cactcgagca   180

tcgtcataac tctctacttc ttctccttcg ccaccttacc taggtatgtt tcgtctaatc   240

ctgtataaat atttgattgc attcatgtat cgcacactta gtgaagtaaa catgactagg   300

gtatctcata tttaactgag atctccttac ccttactgtg ttcttgataa gaggagcacc   360

cc   362

<210>   17164
<211>   410
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<400>   17164

tgtagcaatt cttctaggct tggagtcata acatgcaatc ctctagaacc cttacctccc   60

actctttcgt tataccgaga ctcgggaacc ccaataagtt ttgcctttnt aatgtactcc   120

gaacaaaact taatagcttt ttttgccacg taccttttaa caatagatgc ttcaggatag   180

tgtaaattct ttgcataccc ttttatgatc ttcatgtatt gctcaaccga atacttgcat   240

tggaaataaa caaaaccaca acatttaatt tccctcacca gatgaacaat taatagaacc   300

atgatgctga aaaacaaagg aggaaaatac atctccaatg gacataagat aataacaacc   360

tcattttcta cctcatctaa cttgacagga tcaatgcact tgctacatat   410

<210>   17165
<211>   372
<212>   DNA
<213>   Glycine max

<400>   17165

tcaccggatg atgccgatcg aacatttcct aatttacatc atccaatttt tattcaggga   60

ttgaattgaa taaacaatgg ccggtgtcgg tctttatatg gccccgactg atatctttca   120

gccgacattg cgcaatttct tttacaaacg ctggccgata gtgttttttt ttacgctaga   180

ggaagttttt tgttttggtg ttgtataaaa aatgtacaac gcaggtcggc tatgttttac   240

cgtgcgagct caaccgatgg ttcgttccga cagacactgg catgttgttc ttctcattta   300

cgaggctcag acaacgttgg ccatcccggc aaaaacaaaa aaaaacattt ttacggaatt   360

gatcgaaaaa at   372

<210>   17166
<211>   394
<212>   DNA
<213>   Glycine max

<400>   17166

tgtctcaacg tttatgcgag acggagacca acatgctagc tatcatcgcc aagtaccaag   60

aagagttagg tctagccacg gcccacgagc atagaatcgc ggacgagtat gctcaagtat   120

acgcggaaaa agaggctaga ggaagggtga tcgactcttt acaccaagag gcaaccatgt   180

ggatggatcg gtttgctctt accttgaacg ggagtcaaga acttccccgc ttgttagcca   240

```
aggccaaagc gatggcagac gcctactccg cccccgaaaa gattcatggg cttctcggct   300

atggtcaaca tatgatagac ttaatggccc acataattag aaatcgttag gaaactcgta   360

tgggctctca gaccctgact agatacgact tcct                                394


<210>        17167
<211>        371
<212>        DNA
<213>        Glycine max

<400>        17167

ctaatgaatt gggctctaat tgcccatcag acatggcaag ttaagccaaa tttaatttac    60

tttacctcac ggcatcaagc aatttgcttg caattccttt tcttctgtta gagggagcaa   120

cccaaatggc cctaatgcca caagcagcga tggttggttt gctatcacag aagattgcac   180

cttccatcct ttcaaaatca ctcaaggaag caactttttt ttcaacctcc ctttggaaaa   240

taacattccc aaaccgaaaa gtggtagaac gcgtcctcac ttcccttttc ttcacgctat   300

caggagagcc agacacaact ttgaatgcct tttcaatggg ttctgcaacg aggcactcca   360

caaccctgtg a                                                         371


<210>        17168
<211>        407
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        17168

tcagatcaaa gcaacacaaa atctaggtat ccaaaacccc tcaatttaat ggattttcaa    60

ggtttgagaa gtgaaattgc ggatggggta aatttggagc aaactctcac ctcacacgag   120

tctataacat caatttaaac ttgtttgaac gggattcaca cctaaaattt caccgaacca   180

aaatttgact cctcaacacc caattttacc ctagaaatgg ctctttgttc actttggtca   240

tttgtttttc tctctagcac agcccanact ttctcataag tcctaaatga catttcaagc   300

taggattaac tcactntaac ctccaaatac cactaaatcc agatttggcc ttccaactct   360

caaaacctca ctcttttccc actcataaca ccatattctc actttct                 407


<210>        17169
<211>        427
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<212>   DNA
<213>   Glycine·max

<400>   17169

tgaccaatcc cgacccaacc cgggcatagt cggtcattga gaacctgtga tgtacctaag   60

caggcgagct cctggcagtc aacagataaa aggaaaacaa gaccacaaag caaggaggct   120

tgtggtggct ggccagctgt gaattttgtg taatatgtgg attgtggcct ctggtaatcg   180

attaccaaag gtgagtaatc gattacaagg cttaaaattg aggacaggag gctaagatgg   240

tctctggtaa tcgattacca aagggtgtaa tcgattacca agcttgaaaa cgaagtcagg   300

aaacttaagg agcctctggt aatcgattac cagcctgcgt aatcgattac acagaggaat   360

gggtcactgg taatcgatta ccaggcatgt gtaatcgatt acacagtgta ttattgcata   420

attcatg   427

<210>   17170
<211>   413
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17170

tatccttatg gctggcctcc ggatttcact ccccgtgcca ccccgaaaga tctaagccaa   60

gcccctactt ttgaggggca actcccgcct tatgacgact atcccggaca agacgatggg   120

gaaggagata cccatcttgg cccccctgctc cacctcaaag atccgtcccc ccatgaacta   180

cccccaccga acatagtctg ccatatccca gcctcaccca cacccgtaaa agaatctgtt   240

cccttcgcgg aagataaggg aaagattgag gcgcttgaag aaaggttaag agcagtcgag   300

ggccttggca attacccatt ctcggatnta acagaattat gtctcgtgcc caatatcgtc   360

attcctccca agttcaaagt atcggactnt gataagtaca aagggcgac atg   413

<210>   17171
<211>   259
<212>   DNA
<213>   Glycine max

<400>   17171

gaactagttc cgctccggag tacgacagtc accgctttat gagcgctgta caccagcagc   60

7200

gcttcgaagc catcaaggga tggtcgttct ccgggagcga cgcgtccagc tcaaggacga   120

cgagtatact gattttcatg aggaaatatg gcgccggcgg tgggcaccac tggttactcc   180

tatggccaag tttgatccag aaatagtcct tgagttttat gccaatgctt ggccaacaga   240

ggagggcgtg cgtgacatg   259

<210>   17172
<211>   429
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17172

ttgtgaactn tanataatat tagctagaat ccattatttt aacttaatgt acaatcatgt   60

acaagatgat tctaataatt aatggctctt ttacgagtta tgacgtacgt aaaacgatgc   120

acttctatgc ttaattcggc atagttttaa ataaatcaac atatataaga ttcgtatgac   180

ttcatgactt cattaattaa tgattntacg aatttcatcc attttttta tatcgtgctg   240

ccttttttac ttcttctatt ggaattagat aagataaata catgtgtcgg agtaaaatac   300

agataaatta acattagtta cacaaataac ggttgtacat gtcagatata tatgtggggt   360

ctatgcaaca catctcatgt tcaaagagaa ttcgtcaaat gaaatgaggt tatcaactca   420

atcgagtag   429

<210>   17173
<211>   389
<212>   DNA
<213>   Glycine max

<400>   17173

tgcacttata gcttctaaac aaatatggag aacataagta tgtttctcct acttcaaaat   60

gaggggagt atattgataa ggatgtgaac attgttctat ccctactgtg agatgctaag   120

aaattcttag ttaacacatt ccttactcct ttcgtgaagg gtctttctgc aaagccttat   180

atgtagaaat gtcatctatt tcttataaat ccttgggtta gaataatcca agaaaagtgc   240

agaaattcct tagatatttt cttaggatga aatcattgta attcttagca agacaaaaag   300

aacatgtgga ctaagtatct tttgtccttc tccactttgg ggctttgtcc tttctcactt   360

tggccttcgt ccttctccac ttggaccttt   389

<210>   17174
<211>   421
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17174

tgattcatga ttcaattcat gtatctttcc attattaacc gaaatatcac taccaccaac   60

agctctcttg atggagcttg ggtatttcat taactgacca ataccaaaac cagaatttat 120

tgtaacacca gagtctttag caaagttcac ccctttatca ttgttcaaac atttattggt 180

ccttatgccc gaattggttg attgtcttcc tgtgtggccg taatcagaat acagtttctt 240

gggcatgata gggctgccat cattccacan aatttcacta gtttttgtct ttcccccata 300

ttgatcatca aattgcagac atggtgaaaa agataaaccc ttggccacat ttttaggttc 360

tgatctagct ctaccagaag cattaaccac agcagacata tatgtctttg agttaagctg 420

a   421

<210>   17175
<211>   411
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17175

tgtactgtaa tagaattggg gcggtcatga ccttatgggc tcatattggg aaccgcgaca   60

ggtagacttg ggatattttg aagatatatg ctaatatatt tagaattttt tttaccaaaa 120

aaaagaaaga aagataaaga tatacctaaa atttgaacgt gtcttccaga gtacaggtca 180

ttttacccta cccatttgtt tattttaaga tcttattaat gactagctta agaatatatt 240

aattaaaaat atgtaatgta ttttcattct taattgcttt aaaatagtat attgaacant 300

ttttatttta atataaaaaa cattttatta aatatgtgtt aatcttattt tttagttaaa 360

tttttaaata aattaattaa cattatntat tttgtattat cattctccta a   411

<210>   17176
<211>   398
<212>   DNA
<213>   Glycine max

<400> 17176

tgtttgtcgt cttcaacgtt ctctctacgg gcttaaacaa gccagccgac aatggtttac   60

caaactatca agtttcttag tctcccatgg gttccaacaa tctaactcgg accactctct   120

tttcttaaag ctcactaagt cagccactac tatactcttg gtgtacgtcg atgatatcat   180

actcacaggg aacagtatgc tggaaataca agatatcacc accctcttgg attaaacatt   240

caaaataaaa gatcttggtg acttgaaggt ctttttgtga ctcgagattg cccgtaccaa   300

tcatggaatc catttatggc aacgaaaata tgccttagac attttgtctg attcagatat   360

gctaggatgc aagccacact cgacacccat ggattatt   398

<210>   17177
<211>   391
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17177

ntatatcatt tcaatgacta cacaagacct tgcctcacat atatttcctt tggaattccc   60

aattcttaga gaaatgggag ttgatcaatg tatgattttc ctactagagt taaggtcccc   120

acctttgttt atctttcatc cctcattatc ctcaagttgt ccacaatcat gcttatcttt   180

cacccttttg aggatattgg atgatgaaag acaaacaaag gtgggaacaa taattttgga   240

aagaaaatca actatttcta gaatagggaa ttccaaaggg aatgacggga gatgtcttgt   300

gttgtcattg gaatgataaa caatttattg actctctgat ttataatgtt atatatccag   360

ttataacacg acgattacaa taactttatg t   391

<210>   17178
<211>   444
<212>   DNA
<213>   Glycine max

<400>   17178

actatcaata ctcagcttaa cattcaattt cgaggctctc gatatattac tgtacttaat   60

caagcatcca agaaaaaatt tattgtcgtt tgaatttgct cagagattca acattcaatt   120

tcgagcgtct cgatatatta cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt   180

ttgaattggc tccgagcttc aacattcaat ttcgagcgtc tcgatatgtt acgagactca   240

atcagacatc cgagtaaaaa gctattgtcg tttgaatttg ctcagagatt caacattgaa   300

tttcgagggt ctcgatatct tacgggactc aatcagacat ccgagtgaat agttattgtc   360

gtttgaattg gctcagagct tcaacattca atttcgaggg tctcgatata ttacgggact   420

caatcagaca tccgagtaaa aatt   444

<210>   17179
<211>   320
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17179

gagacagccg aggggagaac agtgcgaagc cccccccac agggtgactt aactgaacaa   60

ncaaannccg gcaagaggac aagaccgatg aaaagcaagg ccaggagaaa aaaccggaga   120

aacccgaaag accggaaaaa cggaaaaaga aaacgggag agcaaggaaa agcgacgaca   180

aagggacacg aaaaaaaaca cacacaacca caagagaggg aaacgagcaa ggggcgaaac   240

cgggacacgg gccaacgcga aagaggggc acggaaccgg accaaagacg aacaaaagcg   300

gggaaagggg cagacgcaga   320

<210>   17180
<211>   402
<212>   DNA
<213>   Glycine max

<400>   17180

gagagcttcc gtgttcaatt tcgagtgcct gtatattgat gcgcctgaat cggacatccg   60

agtgaaaagt tatgaccatt tgaatttctc gagagcttcc tatgtttaat tttgagcgtc   120

tcgatatatt atacgcctga atcgaacctc agtgtaaaaa gttatgacca tttgaatttc   180

tttagagcat ccgttgttca ttttcgagcg tctctatatg tgatgcacct taatcggacc   240

tccgtgtgaa aagttatgac catttgaatt tctcgagagc ttccgttgtt caatttcgag   300

cgtctcgaca tattatgcgc ccgaatcgga catccatggg aaaagctatg actatttgaa   360

tttctcgaga gcttccgtag ttcaatttcg agcgtctgga ca   402

<210> 17181
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17181

```
tacataatat aaatgtgtgc aattttatta caggttcaga tggtgaagta tggacatatt    60

agaatatttt ctttatctgt cactttattg aaatgaccat ttttttaaaa aaaatttgaa   120

acaaatacaa catgttcttg ttattaaatt ttgaaaatta ctttccgaca aatattgggc   180

ttatgaaaag tactttctag aatccaatat caaaattgaa ttctaaatac tattntccaa   240

aacctataat tatggcgtct gaacaaaata tattttacaa tgatatttaa aattgtgtat   300

ttcaaacaaa gaataaatct cataacgtac tttcttgaat gacgatatat gagtatttnt   360

ttcaataaaa gtggaatgaa t                                             381
```

<210> 17182
<211> 385
<212> DNA
<213> Glycine max

<400> 17182

```
ttatacatag gatacaccta caaaaggaaa cacattaata gttattattt atagcaggtg    60

ccttggtctt aaagatgcaa gttttcaaaa ctcctaaaga caacaaatct aacatgggat   120

cagtgaaaaa ccgtttcaga gatttgatga attatttctt catgctcttg accggcacga   180

tgaatgtccc gcataacacg cttgacaaga tcaaaatgaa ctccaccagt gacagataca   240

cgaagatcaa gcaaaggtcg taattttgtc acttaaggca tagatgcctt ctatgattac   300

aatacgagag ccagggactt caacagtcct gtaaggataa cagtaccaaa gatatcaaca   360

aaaaactaac atatcccagt gccaa                                         385
```

<210> 17183
<211> 415
<212> DNA
<213> Glycine max

<400> 17183

```
tatgataaaa tctgggactt agccttggta gaagtctcca cagaggccat tgcctccctc    60
```

ggctagtatt atgatcagcc gttgaggtgc ttcacctttg gggacttcca gctatcacca 120

atggtagaag aatttgaaga gatcctatga tgccctcatg gggaaggaaa ccatacctct 180

tctcagggtt ctatccctca ttagctagaa tttccaagat agtccaaatc tcggcgtagg 240

aattacacca caggaagcaa gtcgaaaatg gggtggttgg aataccgaga aaatatttgg 300

aggcaaaagc aagagtcttg gcaaagtaag gtgagtgggc cccgttcata gatattctcg 360

cactgttaat cttcggagga gtcctctttc cgaatgtgga tgggttggtg gacct 415

<210>   17184
<211>   407
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17184

aatgtctctc aatcaagttc ctgtgaaatt attgaaagca taatggttat gcatttttgt 60

tnttattttg cttcatctct gtatatcatc acaacttcag aggcttggtt ctaggattca 120

acttccaaag gcttacttac tctaatatat ctcttattca agttgttctg tgagttttcc 180

tgttttagtc tgaagctctg agctttgttt gatagatatg ccaaaggcaa attgcagttt 240

ctaatttgtt gaaactacaa agattgagtt tagaactgat agaagagtta ccatgtgtat 300

caaactagca ttagaaatcg gtatgggtgt ttgctntttg cgttcttaac tcttatacca 360

tactagaaac tacaaagaag tgattggatc ttcactacca ttgtggt 407

<210>   17185
<211>   82
<212>   DNA
<213>   Glycine max

<400>   17185

cccagcgatt atatctacta ctgtgtgatg ttgcatgaat tttgcgactt aaactactag 60

ataaggtctc ttgatataaa tc 82

<210>   ′ 17186
<211>   192
<212>   DNA
<213>   Glycine max

<400>   17186

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cctagagggg atggaccttt ttgggtcctt tagaggatca ataacaatgc ctataggttg    60

taccttacaa aagagtatgg agtccacacc acttttaata ttcctgattt aattcctttg   120

taggtggagc tgatattgag gaggaagaac caacctattt gaggctcaat tctattcaat   180

gtggagggat ga                                                       192
```

```
<210>        17187
<211>        386
<212>        DNA
<213>        Glycine max

<400>        17187
```

```
tataattatt attgtttatt gttttgtgtt tcttggcaga tggagtcaat tcaacaaaat    60

tataatgatg attccatgga ccattcatct agtagtcctc caggttcgcc tgatataagt   120

gacgtagtcg gagccctgcc gttggatcct cgagttggtg agaaatacca ggcggaggtc   180

cctggcatca taaaagaatc agaacggctt caacttctta tgaatcctgc tgattcagaa   240

gttatgcttg ataactcgct ttctttagca attggcttgc ccatctcact cacatggata   300

ccacatgaag tggacgaatg cggcatgaaa ggaatcttgc cgactttgat ggtacagtca   360

atacatatga actagtgaaa gaaact                                        386
```

```
<210>        17188
<211>        374
<212>        DNA
<213>        Glycine max

<400>        17188
```

```
cttgtttaat gctattccca gctctttagt ttatttaact ttgttctcca ctattctctt    60

tattttgtga ctggctcaat cacttagggc aattgtagaa gagttttta tattttaaag    120

gtatgatttt tgttacacta cctttttcat acgtgtgacg aattatttga tagcacttga   180

gtcgcaaatc ttgattcact ggtcaacggg gtaaaggttt catttgttgc ttgtaatgta   240

ttataattat taataataat gtcttggctg ttcgctttgt tttctcaaat tcacattagt   300

attcgcaact aaacaaaac taatgatcct gtcccacaat ggaaatgtaa aacttgtttt    360

ttaacttatc tggt                                                     374
```

7207

<210> 17189
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17189

ttganagaca acagaggaca gtgggcccca cactacgaag ggcctttcgt tgtaaaaagg   60

gctttctccg gaatggccct ggtgctcacc aacatggatg acgaggagct accttcaccc   120

atgaactccg atgttgtcaa gcgatactac gcttaagatc tggggcaatt gaagaagtcg   180

ctgcatgttt gttattttaa ttcttatgtg ttcttcttgg tttcccccag ggattcctat   240

cctctgtaat tttctcatcg caatctttta aaagacaaga acgtacgatt gaggttctgg   300

tcctcgtgtt gtgctttaca atatgtgtag tatttgataa cctgagcctt ttcgctcagt   360

ccatgggatg ccccaagngc ttaaatgaaa c   391

<210> 17190
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17190

nttgagcaat tcanatggtc ataacttttc actcgtaggt ccgattcatg cgcataatat   60

atcgagacgc tcgaaattga acaatggaag ctcttgagca attcaaatgg tcataacttt   120

ttactcagat gtcctattca ggcaaataat atatcgagac gctcaaaatt gaacaacaga   180

agctcttgag aaattcaaat ggtcataact tttaactcgg aggtctgatt gaggcgcatt   240

atatatcaag acgctcgaaa ttgaacaatg gaagctcttg agcaattcaa atggtcataa   300

cttttcactc ggaggtccta ttaaggcgca taatatatcg agatgctcga aattgagcaa   360

tggaagctct tgagcaataa caatggtcat aacttntata ctcgaggttc gatngaggcg   420

cataatgtat c   431

<210> 17191
<211> 379
<212> DNA
<213> Glycine max

<400> 17191

```
aaagcggttt ctaatgactc ctctacggct tccacataag gcatagagga tgggcagctc    60

accaagatgt cttcctcgcc tgatacgatg accagatgcc cttccactac gaatttcaac   120

ttttggtcga gtgttgaggg aacaactcct actgagtgga tccacgggcg ccccaacaga   180

cagctgtagg gggggtaat atccattatt tggaaagtaa cttgacaggt gtgaaggcct    240

atctgtactg ggagatcgat ctctcccta acctcttggc gggtgtcgtc gaaggcacga    300

accaccattg aactccgctt aagtgggaag cattgaatgg taatttctcc acagtgctct   360

ttgcatcacg tttaactga                                                 379
```

```
<210>      17192
<211>      428
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17192
```

```
tcgtgaattg caattgngaa gtaaccattt gaatggaact attccttctc agattggtta    60

caagtataac ttggagatag ctttaaattt gagctataac catcttcatg gaccattgcc   120

ccctcaatta gcaataggg tggaaatagg ccaggtcggc ctacaagagc ctacgaccta    180

acctacataa agtctggcct aaactggtct gtttaattaa aatgttaagc cgagactttt   240

ttaaaagcct attaaattaa atagactatg cttaagctta ttaaaaagtc tcataagcct   300

gataggtcgg cctatatata tgtatatata cttatattaa tttttgcgta ccaatatata   360

cttatattat tnttgggtac aattaaattt ttttaaaaac tattgataca cattactgtt   420

catacttc                                                             428
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<210>      17193
<211>      433
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17193
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tgngtttggg tttgagtttt ctgaacctcg agggtttggg tttgggtttg gattaatatt    60

aaacaacttg tcttaatgcc aattgaattt gagatagaat tcaacacctg gcttttctga   120

cttgtcattt ctgcataata tataagtttg tgacttttgc tgaaatttat canatagtct   180
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7209

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tgacaatttt tccctgagag taacactgct acgcatatcc taatagaaag aaaccaactt   240

atgggaggat aaggaaggaa atganactca gcttcgactt agacctagac atgtgtttaa   300

agattgaaca aaagcaaggc agatttctga cagggtttgt cagattacga ttcattcaca   360

gagcgattct tacatagtga anacaacacg aaatatagta tggataagac naatatattt   420

aagcatatat ata                                                      433


<210>      17194
<211>      418
<212>      DNA
<213>      Glycine max

<400>      17194

ttaagatgtg ctcaattgtg taaccaccat atatatatat atatatatgg gtagtagttc    60

atactcacgt aaccacaagc tgcaataatg tgtgaacatg gatagtgaag cgcaaaatac   120

ttttcgcatt gacaataatg gccattcaag ttaacagccc acttttgtcc gccacgttgc   180

gttataagat tgaaagtctc ctctacttca aacctttgcg attggatatc atagacgtga   240

acgatgttgc gaacaagctt gtcttgaatt ttcctaaggt ctttaacaac cttagaacaa   300

tatacttgtc cttcatttaa atggctttgg gcttggcgac cacgatgaac aaagtacttt   360

caacacctac tatatgttga tttcaccagc gctattatgg gtatgttgtg acaatcct     418


<210>      17195
<211>      434
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17195

tgctggcctc aaacttgcta ataatatgct gccacactta ccgacattta gagcttaccc    60

ctaaaggaat accaaggtaa gaaaaaggaa attccagttg gctgcaattg agagaagaag   120

ctgcctccct acaccagccc acagatttac ccaaacaccc aaattggctc ttattatagg   180

ttatctttaa accagaaacc aattcaaagc ttttcaggat acactttaaa actttaacat   240

tatcattagt ggcagtccca aagaacaagg tgtcatcagc atattgaagt atattaactt   300

cctcttttnt ctttcccact tggcagctat tgaagagatt cttttctact gctgatctca   360
```

```
tcaacccagt aatgccttcc accactatat taaatagcaa aggtgcaagg tggtcacctt   420

gccttaagcc tctc                                                     434


<210>      17196
<211>      322
<212>      DNA
<213>      Glycine max

<400>      17196

tcaagctctg ccgatttagg tccgccagtt ttaggatcgt ttgtgtctga taacaggcac    60

atttgactat cctgctttga tatataagaa gcctacggaa aatggagaga ataagaatgg   120

ggtagaaacc cgtgttgtga ctgtcattcc tacttgggca aattatccca ctggctcaac   180

aatatcaata ctcagccaaa atcacgcctt cttattacac accaccctac cagccaagaa   240

cacccaatca tgcataaaag ccacccctaa atcaaccaca gaacctgcct gctgcacaat   300

cgaggccaga caccaccct aa                                            322


<210>      17197
<211>      372
<212>      DNA
<213>      Glycine max

<400>      17197

tcagcacaat tactatttct caatctcagt tttataatac caattactaa gtccttttta    60

actagacaat tgaggtggtg catgtttaca tgtgcatccc tacgaagcaa tagtcaaaaa   120

tcatcaatct tattttccaa gcaactaagc tcatgatatg atgcatgttc aatattaagc   180

atgtagatat tacctatttt tctacctatg tgaacaacct cactagtttt tgcttcacaa   240

atgagacaac aattcttgtt gaatgcaatt ttgaagcctt tgtcacatag ctgacttatg   300

ctcaagagat agtgcttaag ttcatcaaca tatagaacaa tttttttttat tcgagaattg   360

tgcttaattt ca                                                      372


<210>      17198
<211>      405
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17198
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tagctacaca cagcccctct cataactaag ctcacttcct tgagaagctt ccttaagaag    60

attcctaaag aagatagagc ttagctacac acacatctct aatagctaag ctcacctcct   120

tgagatgaga agctagagct tagctacaca cccctataa tagctaagct cacccacata    180

acanaataca tgaaaataca aaaaattccc tactacaaag actactcaaa ataccttgaa   240

atacaaggca aaaaccctat aatactaaaa tggccaaaat tcaaggccca aacaaaggga   300

aaacctattc taatatttac aaagataagc gggctcatac ttagcccatg ggctcgaaat   360

ctaccctaag gatcatgaga accctagggc ctttccttag atctc                  405
```

<210>   17199
<211>   202
<212>   DNA
<213>   Glycine max

<400>   17199

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aaggcttgat atgtttctat acatgtaaat ctttcagcct ccaagcataa cattttttgaa   60

aatgagaaat acttgtgtta catagctcta catcaaatgt taaatgaatg gatctcaagt   120

gagcctattc tcattcaatt aggataatct atatgcatgc accctcctgc atgtgcttat   180

aaaagatcac tgctagatat ca                                            202
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<210>   17200
<211>   440
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17200

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actaagcttg tgacacgccg gagattacgt catcttccgc gcacacaaga tctgtcatac    60

tgacatttga gtcacgctga cgggcggaaa tacccgagtg gttatccgta taaacattct   120

tttgctgtct gtaagacaaa aagcctgata gcacgcagag actaacgtcg tcttctgcat   180

ccttcgtcaa tcgcggccga caagcccgtt ggcacgcgga gatttacgtc atcttccgcg   240

ctcacaagat ctgtcatact gacatttgag tcacgctgac ggacggaaat acccgagtgg   300

ttatccgtat aaacattctt tttgctatct gtaagatgaa aagcctgata gcatgcagag   360

actgacatcg tcttctgcac cctttgttcc cccggngaca acaagtcagt tgcatgcaga   420
```

gatattntat ggtcacccgt

<210>   17201
<211>   441
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17201

gtactctagc ttaaagattg gctaagattt tgttaaaaca taagcactta nacaatgaag   60

gaaagctgga gttgctgcac atgatgtcca acgttatgtc aaagaataag atcgggctgc   120

acaatgcaca aagcaagata aagtgtcaaa tgaagaattg aagctgcagg attcacgatg   180

tcggatataa tgtccaggac atcctgcctg aaaatactgg aattgctaaa agcattgaag   240

ctgcaggatc cacgatgtcg gatacaatgt ccaggacatc ctgcccgaaa atactggagt   300

tgctaaaagc atttgaagtt gcagatccac gatgtcggat acgatgtcca ggacatcttg   360

cccgaaaata ctggacatat aaatctgtta tatctttaac agattattgt gcagttagca   420

agagattaga tgatctatct t   441

<210>   17202
<211>   425
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17202

agtagaaaca tgggaccaac tcattntatt tcanaaagaa agtcgtatct agtcaaggtc   60

tgagagacca tacaagtttc ctaacgatnt ctaattatgt gggccattaa gtctatcata   120

tgctgacaat agccgagaag cccatgaatc tcttcggggg cggagtaggt gtccaccatc   180

gccttggcct tggctaacaa gcggngaagt tcttgactcc cgttcaaggt aagagcaaac   240

cgatccatcc acatggttgc ctcttggtgt aaagagtcga tcacccttcc tctagcctct   300

ntttctgcgt atacttgagc atactcgtcc gcgatcctat gctcgtgggc cgtggctaga   360

cctaactctt cttggtactt ggcgatgata gctagcatgt tggtctccgt ctcgcataaa   420

tgctg   425

<210>   17203

<211>   429
<212>   DNA
<213>   Glycine max

<400>   17203

agtcacttca aacattgatt ggatgcataa gtactaaggc tctattaagc tattgttaca   60

acctacgacc gctgaccagg ttctttatt attattatta ttattattat tattattatt   120

attattatta ttattattat tattattaat tgttttgcct ctgttgaata gaatgaacaa   180

ttacccttta ggaccttgat tcaatgtagc atttggaaat tggcctcctt ccttatgtgt   240

atatcttggt ctctctactt ttgtttggaa tttctattaa ttgttttgtg aacttagtat   300

aatttttgtt gagcactgta ctgcatttcc actgtaaaaa atataatcat tatatatttc   360

taaatcaggt tatacataca tctgataaac aattggttag aattgatatt tttattgatg   420

tcattgtga   429

<210>   17204
<211>   421
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17204

tctgttctga attcgagcat ctcatatact actggaaaca atcggacatc cgagtaaaaa   60

ggtttgttgt ttgaattttc taagaggtta tgatttcaat tntgagcgtc tcgatatatt   120

acgagactca atcaggcatc cgagtaaaaa gttattgtcg ttagattttt cttagagctt   180

ctatttccga ttatgagcgt ctcgatatat tacgagattc attcggacat ccgagtaaaa   240

agttattgtc gtttgatttt gctcanagct tctgttatga atttcgagtg tctcgatata   300

ctacgggaca caatcggaca tccgagtaaa aaggtattga catttgaatt tgctcatagc   360

attcgttgtc aattacgagc gtctagatat attaaaggat tcattcggac atccgagtaa   420

a   421

<210>   17205
<211>   386
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<400>   17205

ntaatactat tcaatgttac accatcatat agactatata acgattggtg gcggttgtgt   60

cggcaacgat aaccgtgata atagcggtga caataataat aacgatggtg gtggcgatga   120

tggtattgat ggtggtgata atggtggcaa tggcgatagc ggcgacaatg aaggcaacaa   180

caatgacggt ggtggtggcg cgacgatgg tggcgacaat ggtaggagtg acaacgccag   240

tgatggtggt gtgatggctg tcatggtgga gaagcgatga tggtggggaa gatggtgatg   300

atggtggtgg cgatgatgac agtgatagtg atggggttgg tgagggcaac tatcctattc   360

tgttgctctc taaccaattc acccccc   386

<210>   17206
<211>   327
<212>   DNA
<213>   Glycine max

<400>   17206

acacgacaat atagggaaag gaatcctaca gatgcagcgt atctgacctt ctctgaagag   60

aagagtcccc tgcttgtttc acatcttcca actgatcttc agacagcact tcattgaggt   120

cagcagaaga atcgagagca tttctcttac tacctgccat agatgcccct tctaatgatg   180

cgtccattac agcgctattg ccagaaccag aacagtcatc agaggagtca agcagcttga   240

tctgcccaaa accaataata attactacaa agacataagc agctacagca caaaaattgg   300

tgggaactgc acacctctat aacatta   327

<210>   17207
<211>   422
<212>   DNA
<213>   Glycine max

<400>   17207

tcagaccaaa gcaacacaaa atctatgtat ccaattcccc tcaatttaat ggatgttcaa   60

ggtttgagaa gtgaaattga taatggggta aatttgaagc aaactctcac ctcacacaag   120

tctataacat caatttaaac ttgttcaaac tggatttaca cctaaaattc caccgaacca   180

aaatttgacc cctcaacacc taattttacc ctagaatggc tctttgttca ctgtaggcat   240

ttgtttctct ctctagcaca gcccaaactt tctcataagt cttaaatgac atttcaagct   300

aggattaact cactttaacc tccaaatacc actaaattca catttggcct tccaactttc   360

aaaaactcac tccttttcca ctcataccac catatcacac tgtctaaccc taggtaactc   420

ta   422

<210>   17208
<211>   380
<212>   DNA
<213>   Glycine max

<400>   17208

gtttcatgta aaacttcaat taaatattaa taattgatac acttgagcca tagttttaaa   60

actcagacta gtaattgact tgattaaggt accagattag tgggttactg gttaaactag   120

tgggatcaca gattgaacca tatgaattaa tataatatta aatacataat ttttaaatta   180

aaaacatact ataatttatt ttttatcata catataccag aatcttgtgt tgctatagag   240

gtaactatat ttttaagcac cctaaggtcc aataactctc aaacacctcc aaaatttctc   300

tactattaga catatacgag caacaagtgc actcatagcc aagtgcatgg gacaagcaac   360

atgtgatgtc aaagctaaat   380

<210>   17209
<211>   391
<212>   DNA
<213>   Glycine max

<400>   17209

gctgaagctc aaggaatagc ttgaagatag tttttgtaga aactttggct tttacatgcc   60

caacttcctt aagtgacatt tgtattggtt gttatcttag gtgctgcatc ttagtacact   120

tgatatttgt gttgcatcat gaatcatcat ggttagtggg aaaaaaagtt tcttcaaagg   180

aaaaaactct atgttttaat cgattacaga agtggcataa tcgattacaa ccagatgtct   240

gaatcttaaa gaattgagtc tcgtatcagt ttaatcgatt acagtagtct cataatcttg   300

attacattgt tgtttgagac aatgaatgag ttatccaaga atcctttgtt ttaatcgatt   360

atcaagtgga ttaatcgatt acttctctat g   391

<210>   17210
<211>   373
<212>   DNA

7216

<213>   Glycine max

<223>   unsure at all n locations
<400>   17210

cgagttcaat aagataattc taatggagtc tctcctcctg ggtnttgaga aaagcttatc   60

tacgtggaaa tgcagttaat cccatataag ttacgatgca caatgagaaa aataaaatcg   120

cacatatgct ggttactctt ctatatgaaa aaaaaagata aggattaatt gcaccgctag   180

atttgcttta agctccattt ctatatcgat acattttata caatcttcta aaccactgtt   240

acttctacaa ccactcttgt atctgtatat tatacaacct ttactccctc aactgcttcc   300

cactttcagg tactcactct attccaaata atgcatgcat taaatgttca tagataaaaa   360

taagtagcta ggc   373

<210>   17211
<211>   436
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17211

nggtgcacaa tgtcggcatg aagtcactcg tgaagtaggt tctataagag attgtgttta   60

cagttccttg aacctgattg ttaattttac attgaagaat atgtggggat ttaaaaataa   120

taacactttg ttaaagctta ttgagaaggt gaattcaata tcaaaatatt agcacatttg   180

atcttctgca acacttatag actagagatt agagattaat tcacatttcg caatcatggt   240

tagcaactct tggacagctt gtggattgat agaacaaaag taatgtaaag gcaaaagaa   300

cttgactaga aacatatgtg atgaactaag gtctacgcta atactggcaa aaatgtcact   360

gttgttttt tttaaataat gcttttataa ccattctaaa aagctgttca agataatgta   420

tttttgtact agtgat   436

<210>   17212
<211>   420
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17212

gtatgataat tttcatgtaa caagctaaat tatattggat aactctgata aaatagtttc   60

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aactcaagac aaattgtaga catagctaaa aagtgaaaat gatcatgtan gctgagaatg   120

atggctctga acttaatagt aggatttatt aacttataga tggaggaaaa gactaggtag   180

atgctaagaa ctatttccct ttggatgatc tcctttctaa acttactctt ttttcctcta   240

ttatgaatgt tgnttttcct ctattcattt agttcattct ttgctttcat aattaatagt   300

tttttccttt gcggaatttt ctaatatata tgaccgagaa tgaatttttt gcattgacct   360

attaaaaaat catactacca ttntcagcta ccactattac gcctttgatt ataatgtcat   420
```

<210>   17213
<211>   408
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17213

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ttctggtggg acatcttcac ttgctttcca atctgacatt caccacagat tctgccttct    60

tctattttca aattgagaat gcctctaaca gcacctttgt caatgattat cttcatgcct   120

cttaagtgca gatgtccaaa tctttgatgc catattctga cttcatcttc tttggaggat   180

agacatgtgg aggagtaact ggtttcttga ggtgtccata ggtaacagtt gtcctttgtt   240

ctgctgccct tcattagaac ttcactcttc tcatttgtca ccaagcattc tgactttgtg   300

aagtttacat tgaatccttc atcacacaac tgactgatgc tgatcaagtt tgcagtcagt   360

cccttcacca gcagtactnt gtccagacta agaagtccat catgggct             408
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<210>   17214
<211>   365
<212>   DNA
<213>   Glycine max

<400>   17214

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agattgagcg agttgatttt agccttagtt tcactctagc tatttgtcaa ttcaattaag    60

aatgagaaat cccaaagaga aaacatctga ttgatctttc gcttttattt tactaaaagg   120

tattttctga ttattatatt tatgattgta ccccttattt tgatttccaa cgtggttacg   180

gcacgaccga acggtcggaa ttcattttaa ccaaatttaa cggatgatac aagtcaaacg   240

atcggtggaa atttatttta ttttagatt aagcgaaaaa tgacttaaat aaatggctta   300
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agcacgtcaa aaggggggtat aaaaagtaaa tggaaacgag aataaaaata catgaaacac   360

aatgt   365

<210>   17215
<211>   407
<212>   DNA
<213>   Glycine max

<400>   17215

atagacaacc gtttgtcact gcgattttaa cagtaactac aaagttttaa gagtctccac   60

gaccatggga catttgattt ctacaaatta aacagaccag ttgtctaagt ccatgttcaa   120

tcatcttaat tggtcggatt gatatgctct cttcaagcaa caagagctca aaattttgaa   180

ctaagcaagt gaaattgtaa tcataagtgg gtcttacagg taccaaggtt ggtgtttta   240

aaactgtagc atgacatata atagggtcca gtacactaca acacaacatc tcgataggat   300

aaagagtggc catctgaaaa atcgagctca atatattata gtaaatgatg aaaacaccag   360

ttttttaccc tactacaatt ggtaatatat cttatgttca gcttaca   407

<210>   17216
<211>   407
<212>   DNA
<213>   Glycine max

<400>   17216

tcaagaaaaa gatggcctca gcaaattcct tatttccaga agggaattct atcaatagac   60

ctccaatctt taatggagag ggttaccact actggaaaac ccgaatgcaa atttttatcg   120

aggcaataga tctaaatatc tgggaagcca taaaaatagg gccttatata cccaccacag   180

tagaaagagt ttcaatagat ggtagttcat caagtgaaag cataaccata gaaaaaccta   240

gagataaatg gtctgaagag gatagaaaac gagtacaata caacttaaaa gccaaaaaca   300

taataacata tgccctagga atggatgaat atttcagggt ttcaaattgt aagagtgcta   360

aggaaatgtg ggacactctt cgattaacac atgaaggaac tacagat   407

<210>   17217
<211>   412
<212>   DNA
<213>   Glycine max

7219

<400>   17217

tccatcactt ttcacacaga ggtcagattc gggctcataa tatgtcgaga tgctcggaat   60

tgaaccacgg aagctctcga gtaattcaaa tggtcataac ttttcacaca gatgtccgat   120

tcgggcgcat aatatgtcga gtagctcgaa attgaacaac ggaagctgtc gagaaattca   180

aatggtcata atttttcaca cggaggtcag attcgggcac ataatatgtt gagatgctcg   240

gaattgaacc acgaaagctc tcgagaaatt caaatggtca taacttttca cacggttgtc   300

cgattcacgc gtatgacata tacagacgct cgaaattgaa catcgaaagc tcttgagaaa   360

atcagatggt cataactttt cacacggatg ttcgagtaag gtgcatcaca ta   412

<210>   17218
<211>   416
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17218

gtgcggattt agttntcgcc agtgtaagga ttgttgtggg tctgaaaaaa ggaaaatttg   60

atcatcctgc tttgacaaat aaaaagcttg gggcaaatag agagaatgag aaggagggag   120

gaacccattt tgtgattgtt attcctacat ggccaaattt cccaccagct caaaaatgtc   180

catactcaac caatatcggc ccttctcatt acccaccatc ttatccacca agaacaccca   240

atcaaccaca aaggccaccc ctaaatcagc cacaaggccc gcctgccaca cttcaataccc   300

aaacaccacc cttaacacaa accagaacac caaccaggga aggaattttc caacatagaa   360

gcctatagaa ttcaccccaa tcttggtgtc aagctaactt gctcccatat gtactc   416

<210>   17219
<211>   415
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17219

tgtaattcag taatacacca ttaatgacag attgattctt atttcttcta tgtacgttat   60

atgcttgtgg taggaaccta tgtacgttat atacatcata ttggatgttt gcgattcctt   120

gtttgtagca atgctaatgc cttatagttt gatgacctgt atcaagctat atttcttaag   180

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gaatactatt ttgatcatac cttttggttt tggtacaatc cattttttg tgttgcatgt    240

tgaagtcaag taactccatt acacttgcaa gcccgagtat aattcattct ttgtgttata    300

agcttatgtc anactgtctg acgtctccat atgtgtgtac actatggtca tgttttggtt    360

tctagaattc atttggaata tttgttgttg attctgaata agtgatcatt cttga         415


<210>      17220
<211>      409
<212>      DNA
<213>      Glycine max

<400>      17220

tgtaggatta tggggtaccc atcacatgtg gtactaggtg gcggtcgggc gatggtgcac     60

aacaagtttt ccacatccac aaatcgcgca taaacccacc atccctgtt gcccacctcc    120

aattgagctc acgtactccc acgtagccca tatcctcatt tctctcaaca ccaggtcccc    180

atcaatcctc ccaagcttcc ccaacatcca ggtaattcaa catccaatca tcatggacta    240

acaaaatcaa gcaaacagg gcaaaggcag aaaactctgc ccaaaacaca actcaaaatc    300

acagcttttc acatacaaat acccgcgtaa catgtccttc gttccaattc gttaaccgtt    360

ggatcgactc gaatatttta ctgggagtct ctagtacata agcctacat             409


<210>      17221
<211>      399
<212>      DNA
<213>      Glycine max

<400>      17221

tctgatgttc tgccagcaac tctgataggt actgtctgca aaaaaaaaa aaaaaaaccc     60

accctttct tttatgaatc aaaagcacac aaattcatct aaaacaaatc aaacagacat    120

ggccaaatcc aaagggtgtt tcaccaagag tccaagattg tgtccttttt ctttttttca    180

gttttgatct aaaaaaaaaa catcacaaga aagagaaacc aactcacctg tccacttctg    240

gattgctcct aatctgagga gaagcagctc tagcaggaga gaagttggga ttatacaagc    300

ctgacatggc tcactttttt tctttaagtt cttttttcct ttaggattgg aagaaggaga    360

agaagaagaa aaacaaacca aaaaaaaaaa agttgaaaa                         399


<210>      17222
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<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17222

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ttgagaatct tgtacgtgta gtactcatag aaacgctgaa tcgcaatttc tgggagatgt   120

ctggcatata gttttttaag agtatagagt agttacgaaa gttaccagaa gtagttagga   180

tgcctagtgt aaaaccttaa gggaatgtaa agtcgttagt aaggcgttgc tctgttgaac   240

atagaggggt ttaagagtga gtgttcttgt caaacgtaga tggnctacag gattgctgat   300

gatacttgta tgattaatga ggtgggatat aacgagttac tgccaatagg ggaccaaata   360

tttttgtaca acttttttc ccaaa   385

<210> 17223
<211> 352
<212> DNA
<213> Glycine max

<400> 17223

agcttctttt ggaccttgaa caggcaacta actcctcttt caaaaccatg ctatgtgctc   60

gcgactggtc cccttcttac tttcgcaact agagttcact attgctaccc cataaagctc   120

cgcgaaattt gttccggcca tactctatct tgcgagccct cttggtctct tgttcaaggg   180

ctcttgcaat aattgcaatt ctcttcccgt aacccggcac acatccttcc gaacgtgtgt   240

agcggccaac ttgaacttct ccttggcaag ttttgccttt cctaactcgc ttttgagagc   300

ttggacttct tcgtcctctt tcggtgcttc aaaaatcttt ttgctgacga ct   352

<210> 17224
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17224

gcgggacntt ataggatcta atgcgtagtc annacacttt gnaaacnnat ctnntcaacg   60

anannnctgg annanagtng tggtgtgggt ttttatgtag atattntaag aagatatgtg   120

taggtatata agatatagaa aaattattat aatgggtttt gaaagnaaaa gagaatggga   180

aatattggta ggaaaaattg tgattaattg tatttanaat tggttataaa aaggtaatga   240

tataaaaatt atttgttaat taaaaaagat aatataatga atagtttaaa ttatttattt   300

aatagatatg taatagtgtt gtaataagta attattgtat agtataaaaa aatattgata   360

taaaagaatt taatatattt gaagaagaaa taaataatag tattataata gaaataataa   420

aatatataat attatatgta aattaattga aaaag   455

<210>   17225
<211>   384
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17225

agctttatga cactagtcct tggaaaactt tattttaaca ccaaggcaat taccacggct   60

gttcttaaat ccatatttac agaacaaatt tggggcatgg ggctcaatac acatcaaaaa   120

caggttctaa atatgtatta gactaacaag gcatccaatt agacaaagag agacatagtg   180

ctctaagaat caaattcgca tgcaaattga aaattatagg attaggaaaa tcctcacctt   240

ttcccaccta tctttactct tgaaaaccca aaatgattca agctctagct tctcttttcc   300

ttagagagaa atacatgaag aaaggatgga tgaagattat tcctgcaccc aaatggagat   360

tctaggagct ntaaaatcca ctct   384

<210>   17226
<211>   430
<212>   DNA
<213>   Glycine max

<400>   17226

agaatactca cgcttaccga aagtaaatat taagatgtag cattttttcat tctaagataa   60

ttagtttatt taacatttac tcttaatacg acttatacag tgactaggtt ccaattttca   120

tttttaaaat gaaaatatta ataacttata aaaataacaa gtgcttggtg gaccaatagt   180

gtttaggaag tataagttac ttgtcatgtc taggtaattg tcctatttta agttttagtt   240

aagttttaat tagttaactg ctagaaagtt tttggtgaaa ttttacacta ttaaaaagtt   300

ttctctaatg ttagcattag gcacaaaact tatttgtacg tgtaagcact taaaattgag   360

aaacgtaaag aaaaataatc gagaggatct tttcttctga aatttaaaat tgagacacag   420

ataaggatta   430

<210>   17227
<211>   169
<212>   DNA
<213>   Glycine max

<400>   17227

tatgcatgct cgagcacact ggaggagaac cggcttccaa cctcgaattc tttctatagc   60

gcgtcgaatt acaactggac gcccgccgca ttacaactga aaaggctgag aataccgtgt   120

ttgctcacaa cttaatcgtc ttgtctcaga gtctcctttt atcacatga   169

<210>   17228
<211>   345
<212>   DNA
<213>   Glycine max

<400>   17228

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tataaagtta ttgtcgtttc aatttgctca gagcttcggt tctaaatttt gagcgtctct   120

aaatattacg ggactcaata agacatctga gtaaaaagtt attgtatgtt gaatttgcta   180

cgagcttccg ttttcaactt ggagcgtctc gatatataac gggactcaat cggacatccg   240

cgtataaagt tattgtcgat tgaatttgct accagcttca gtattcaatt tggagagtct   300

cgatatattt cgggactcaa ccagacatcc gagtaaaaag ttatt   345

<210>   17229
<211>   395
<212>   DNA
<213>   Glycine max

<400>   17229

tgtagcaata tcaaacgaaa ataactttat acacggatgt ccgaatgagt ctcgtaatat   60

atcgatacgc tccaaattga aaacataagc ccgtagacaa ttcaaaggac aataactttt   120

tactcggatg tccgatagag tctcgtaata taatgggacc tccaaattga aaatggaagc   180

tcctatcaaa ttcaaacgac aataactttt tgctcggatg tacgattgag tcccgtacta   240

tattgagatg ctcgaaattg acgacacaag ctctgaacaa ttttgaacga caataaatat 300

attctcggat gttctattga gtcccgtaat atatcgtgct acttccaatt gtaaatggaa 360

gctcgtagga aattcatacg acaataactt tatac   395

<210>   17230
<211>   377
<212>   DNA
<213>   Glycine max

<400>   17230

agcttctttt gtaccttgaa taggcaacta actcctcttt caaaaccctg ctatgtgctc   60

gcgactggcc cctttcttcc tttcgcaact tgagttcact attgctaccc catagagctc 120

cgcgaaattt gttccggcca tactcttcct tgcgagccct cttggtctct tgatcaaggg 180

ctcttgcggt aattgcattc tctttccgta acccggcaca ctccttccga acgtgtgtag 240

cggccaactt gaacttctcc ttggcaagtg ttgcctttcc taactcgctt ttgagagctt 300

ggacttcttc gtgctcttcc ggtgcttcaa cactctcttt gctgacgact gttaacttgg 360

cgagccaatc taaacct   377

<210>   17231
<211>   420
<212>   DNA
<213>   Glycine max

<400>   17231

tagcctgctg cgctaagtgc ccagtcaaaa tttcagtttt attttgatgt ttttgtgaaa   60

ataacctgtg ctaatctctt gtgttttgtc ttatattttg cagatggcat ctaagaaaag 120

gagggctcct tctacacctt cccaagtcag atttgatctg tctcagttca catctcaaga 180

agcttgtgag aggtatacaa atattgtggt gcctaggaaa ctactaccag agaggaatgt 240

gatagtttat tacactgagt tcgacaagtt caaggaggaa cttgagagaa gagactacga 300

tgaggagttg actgatttta atgacagcag catagacatt ggcattgtga aggaatttta 360

caccaacctc tacgacctcg aggataaatc acctaagcag gtgagggtga gaggtcactt 420

<210>   17232
<211>   344

<212>   DNA
<213>   Glycine max

<400>   17232

tatttttgag ccaaaatcct gactcaccat aaaccttgac ccaatgtgag aatgcctatc   60

cttatcctcg gaagcaaaat aagaagagaa ggaaaatttc ctatcaacgg ataaaggaga 120

aggaaaattt tcaatcaaag aacaagagaa agaaaatttc caatcaaagg aaaaaaagga 180

agcatagaaa tatccaatct aatagtggga gaacgaaata aatgattgaa aggaaattcc 240

caaccaaaga atgggagaaa gtaaaaaaga agaagctcc tgatcgaaag aaaacataac 300

atatgtgcac agaggtcttt ggaccagacg ataattgaac tata   344

<210>   17233
<211>   260
<212>   DNA
<213>   Glycine max

<400>   17233

cctttgcatt tcatctatat catacagaat tgaacataca aatgaatccg aagactttct   60

aggcttgtat gggttaggca gccaacaatc atgttttta ggattgaaag cttaggtcat   120

gagagattca tctagaatac cttcactttt tttattcatc ctaccctact cgccttattt 180

agcacttact ttattatttt gacataccac ttattcttct attgtcttac agtttttcta 240

cacagaaaca ttatatacat   260

<210>   17234
<211>   385
<212>   DNA
<213>   Glycine max

<400>   17234

tagctttata aacaaaaaca tcataaatta aaacataaga aaagagttca attgtatatt   60

tgaattgttt gtgaaatttt tttgacaagt ccaaactttg tctaagacag aagaaatgaa 120

cttttaaaaa gattcatcct aaggtgaata tataaataat tgtgtctagc ttgtaggaac 180

acaatttata aaatacttaa gcaaaaatct ttttgataac ttacaaactg tacaactaaa 240

tctctctttt aattagggtt aagtttacga cgattcaacc ttattttaat gattatcact 300

aagaaaaata atatcatatt aaacacaatt agccaacatt atgtattcca attaatttga 360

ttcttataat accccaattg tttat

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<210>      17235
<211>      429
<212>      DNA
<213>      Glycine max

<400>      17235
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gacactatag acaactccac gcttaggatt caacattaat taccgtgctt ctttcccact    60

tgttgaatta tatgcgactt tatctagatg aaaacgatcg aattctactc cctgcgggat   120

attggattat atctgggcca ccaatcccgt ggaagaatca ttggaaagga tgggaaacaa   180

caccggagga tttgaatgat gagcagacca aaattgagaa tgtagccaaa agcctgtgct   240

ggaacaagct actggagaag gacgatatag ccatttggca gaaagccaag aaccatttgg   300

attgcaaagc caaccgtaag ctctctcaca atctgcctct ctgcaaggca cacagtaacc   360

ctgacacggc ctggtatgtg cttcatattc cattgtccct tgtatttcat tcacgaaata   420

tttccatct                                                          429
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<210>      17236
<211>      376
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17236
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ttgcttctat ataagcttaa ccattntatc aataaagaca agtggagtnt tattcataaa    60

attagagttt atctctttta tcttagtgag agtgattctc ctaaattctt gagtgattca   120

agaacacctt ggctgtatca aaggactttc acaacctttg tgtgttgccc tcgctggaca   180

gagtgattct ttccttcctt tcatcttcac ccttgttctt tcaaaccaca attccagaaa   240

atccacctct gcccagaatt atctcgtggc cataaatccc attttaagca ctcaaattaa   300

gtgattcttg agcctaaatt gaatttcaaa acgagacctt tcacctcgtt ttggaatcac   360

ctcattggga gccctg                                                  376
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<210>      17237
<211>      408
<212>      DNA
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<213>   Glycine max

<400>   17237

tctctagagc taaggatggg aataacttag attaaatttc agtcatccac ctcacttagc   60

gtgacctcta cgctaagcta gccatagccc atgtgctgag cgagtaacac tcctcgctaa   120

acacatcaac ccccatctat tggttgttgg ggtcccgcta agtgagacat ttgcgctaag   180

accaaaacct tctctggttg cgcatttatt gaaattaggc taagtgagta agctcgctaa   240

gcgcgacatg gtctcccgct aagcgcgtat atgtgctaag cgtaaaagtc tctcaatttg   300

ggctttcatg gtaattatgc taagcgaacc atctcgctat gcctaaaagt ctctttggaa   360

tggcaatcgc gcttaacgag accatcttac taagcgcaac ccactact   408

<210>   17238
<211>   713
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17238

caccctcact ttctacgtta aatcgagata gcgattcgca aattaatacg gttctnntcc   60

cagcccgcac aatgaatgat gcatgtgata cctgacatac acagactgac gcagatccag   120

actagcttgt taccagctct gctaggcttg agcaccttct gattgcttcg aaggcttgtt   180

ctagacctcg aggnactact cttncaccaa gactataacg agctagtcag atcatctcta   240

gacaagggaa ctctcatatt gttactacac aatgacatgg tgctgactaa catacatcac   300

atcgctctag tgaaattcgc agacgtttgt gcataacact gtctcatgag cttccacctc   360

tncagtttgc atgacatgga gagagtgata ctgctcaata cgcaagtgcg ataccattat   420

ctaatatacg acttcgcgtg gcctcggact catatctcga attctctcgt ggacacacgc   480

caaatcatag ctgtgtatat tcagtcatta catcatgtgt acacgtcacc agtctacacg   540

agtatcgtgn tcgatcatgc gtcaatctgt acagtccact aanatacgcc gcgaatagct   600

gtgnatngta ctcagataga tcgtggactc gacgttacgt aatgagcaga catgataacg   660

tattcgatga tgatgcaccg tggaggatac tatgccgacg ctctacgaca ccg   713

<210>   17239
<211>   422

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17239

cagcttattg tgttntatct tcgtattatc ttctcttgta atcttttaag gagaaattta   60

tctaaacagg atccacgtct agaactttac gtgtcttttt tttacaagat aagctgtatt   120

gtcttggggt cgcatcctag ttctcattgt tggttatcct agtgccaagt tgtacatgtt   180

tgtagcgttg cttaattata ctttacaata ttaattatca attttcttgc aggatggaag   240

aattaactat gatgagtttg tagccatgat gaggaaaggc accccagata taactcacat   300

aacccataga cgtcgcagat aacccctgca ttgctttgtt gggttcagag tgtctacacg   360

ttttatagta taacggcctg ctatttgatt cattaggcac ttgcatgata tttgtgggtc   420

ta   422

<210> 17240
<211> 364
<212> DNA
<213> Glycine max

<400> 17240

agcttgagat gaggaagtgt agaagggtga aacttcctgc ttttattcgt tgaccacaaa   60

gtggtacctg gagatatgtc gcgggggtca ggagaccttg gggacgtcag gtggggtgct   120

attgcccaaa accaagcttg accaatcccg acccaacccg ggcatagtca gttagtgaga   180

acctgtgatg tacctaaaca ggcgagctcc tggcagtcaa cagataaaag gaacaaagac   240

cacaaagcaa ggaggcttgt gtggtggctg gccagctgtg aatcttgtgt gatatatggg   300

ttatggcctc tggtaatcga ttaccaaggg tgggtaatcg attacaaggc ttataaatga   360

agac   364

<210> 17241
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17241

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agaagaatgt ggcatttact tggggtgaaa gacaagagca agcctttttt ttctcaaaga 120

aaagctcatc aaggcacttg ttctagctct tcctcacttt tctaaaactt ttgagctaga 180

atttgatgcc tctggagtgg gagttggagc tatattgtta caaggcgggc accctattgc 240

ttattttagt gaaaaacttc atggtgcccc cctcagctac cccacctatg ataaagagct 300

ntatgcctta ataagagccc tccaaacttg ggaacattac cttgtttcca aggaatttgt 360

cattcatagt gatcatgaat cacttaagta cattagatga cata   404

<210>   17242
<211>   377
<212>   DNA
<213>   Glycine max

<400>   17242

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tggactccga cattgcaaca cttggtgatc tcctattctc tgtcactgat aatccattca 120

aaggttgacg tcatgtccct caaaacttat gatcatgcgc taaaacctta tcttgcattc 180

tttttttcctg ttactgcatg attttatcgt cgttactaca tgcgagcgat gatctttttc 240

tcttaattat acttttgaga tcatctggat actataatta tgcgataata atattttcat 300

aactgtattt tttctcaaaa aagaagacac tgtctgccag ataaatgtta caattttcgc 360

tataaaacac tatgttt   377

<210>   17243
<211>   410
<212>   DNA
<213>   Glycine max

<400>   17243

tgcgttgtaa aaggatctgt ttggtaggtt aacatttgag aatggcaatg gtgagcataa   60

ttaaaactag ccattaattt ttacagaatt gataaatgtt taatatgatt ttacatagac 120

cgggaacatg tagagattat tcaacactga agggaatggg gattgaggtt agaatttttg 180

aaatgcaaac atgtttgaca agaatacctg agttacccga ttaaacaaat tattcaccat 240

tgtactgaga ctttgtgtaa aggttgacta attctgaagt catatgattg gaagccctag 300

aattggggta ccaagcaaga tcaacaattg ttgatggggt agacattact gcttgcaaat 360

aggttgaatc aaggcttgct agttgccatg agagcctgtt gctgctgaaa   410

<210>   17244
<211>   383
<212>   DNA
<213>   Glycine max

<400>   17244

agcttctact tatgtggcag ggcgagcttc cttcactttc ttgcctcaac cgcgagcttt   60

gaccaccgct ctttctttcc gtgatgcttc tctttatatc cgcctgagtg ggtttatagc   120

ctaaaccata cttcccacga tttcctttgg catttatcaa gctagttatg ccgccgttgt   180

ctttgcctaa acccattccg ggttcgtaac cgttccccaa cataactcgg gccatcatta   240

ctgctgcatc ggacaggcaa gcttgcccag agaaggagtc cacggaggaa atgcttacca   300

cctcaaaaga ctggaaagcg gtttctaatg actcctctgc ggcttccaca taaggcatag   360

aggatgggca gctcaccaag atg   383

<210>   17245
<211>   422
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17245

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ctcaaaagtc aagaacactt catgataaca aagatgatga tctcaagaat caaagaatga   120

gttcaagatt gaatcaataa cacttcaagg ttcaaaagga aatttgattt caagaatcaa   180

gaatcaagaa tcaagaatca agttccaaga atcaagatca agattcaaga ctcaagattc   240

aaaaatcaag agaagactca atcacgataa atattaaaaa gttttttca aaaactgagt   300

agcacatgna atttttctca aaaccttta ccaaagagtt tttactctct ggtaatcgat   360

taccagataa ttgtgatcga ttaccagaag cataatgtgt tttcaaaaag cttcaactga   420

at   422

<210>   17246
<211>   384
<212>   DNA

<213>   Glycine max

<400>   17246

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agtataatgt tacttccttc actaaagcgg tgatccatct ccacacatat tttatcaata   120

gcaacataaa aaatctctgc acggtaatga tgaagattag tgatagtcct cccttctgct   180

cttgaacgac cccgaactgg tatttcgtca tccatatttg gtaccagaat acttttagca   240

acacacaaaa tccttggaca tcggcaaaaa aattattcca gccactctct ctcattgtgc   300

ccaaccgagc tttgacaaca tcaactaatt ctctttgcaa tatatttgaa agctcgtttg   360

tttcctatga cctggatcac gcac   384

<210>   17247
<211>   423
<212>   DNA
<213>   Glycine max

<400>   17247

taatatctaa gctaacagaa ttatagcata aagcattcat gcttgacata gaaaaggccg   60

aagtattgga ccctgttcct tcgaaaatgt tatcgtattc ttgcaattaa agttatgttt   120

gagaatacct aactgttggt atcttatttc aagacccgca acaattcttt cctttaattt   180

gttatttcat atagtctttt gctttacatt agacaactaa gagtttaaga tcaaacataa   240

tgtcagtttt tatagttaat ttattttcta gcaaaaagta cttatcttat actaatatgt   300

gcgattatat atgattcggt ctcttactaa aatttcatat tcgactccta taaattaaaa   360

aacgtgatta aaaaagatat cattaaaagt gaacaaaatt aattcatact cgatactcat   420

gat   423

<210>   17248
<211>   386
<212>   DNA
<213>   Glycine max

<400>   17248

agttttcccc tcgatcctcc gatatcaaaa ccgtctgctg cctcccagca gaatcagcca   60

caaaaaccga attcctcttc tcgtcatcac ctaaaactag tgccataaaa ctaattggac   120

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caatggatag acttccatga aacacagtct gggtaatgga aagcgaatac gagtcgacaa    180

taagaatagt gcatttagga ggcttcctag gctgagtttc tctatcaatt actccttcat    240

ttccttcaaa agaacacgct atacagacat atctcggcgt tgaaggcaaa gttcgaatta    300

tgcggtgagt gccaacccaa ggtggcaatt tcctcctgca ccggcaatga ccactggttt    360

tgctccaaac acacaaaaaa ccatcg                                        386


<210>      17249
<211>      420
<212>      DNA
<213>      Glycine max

<400>      17249

tactgtgttt tatcttcgta ttttcttctc ttggaattgt ttaaggagaa atttatctaa     60

acaggatcca cgtctagaac tttacgtgtc ttttttttac aagataagct gtattgtctt    120

ggggtcgcat cctagttctc attgttggtt atcctaatgc caagttgtat atgtttgtag    180

tgttgtttaa ttatacttta caatattaat tatcaatttt cttgcgggat ggaagaatta    240

actatgatga gtttgtagcc atgatgagga aaggcaaccc agatataact cacataaccc    300

atagacgtcg ctaataaccc ctgcattgct ttgttgggtt cagagtgtct acacgtttta    360

tagtataacg gcctgctatt tgattattat gcactcgcat gaatattgtg ggtctacact    420


<210>      17250
<211>      381
<212>      DNA
<213>      Glycine max

<400>      17250

agcttgtgaa agccaccttc acaatcgaaa ttgttgaaat tgctacaaat ttctagaata     60

ttcttaaata taatatgtat gaaaatggta gaatatccta gaactatagt gtgtatgaat    120

atggtagaac aatctagaac tataatgtgt ataaatatgg tagaacaatc tagaactata    180

agtgtatata taagatagaa gaatctagaa ctatcatgat actaatctat catgaaaact    240

ttagaaagac ctaaagtaat gtagaagcat tcaccaccat tgagaggttg gtgacttaag    300

cctataaata ggcaattggt atgttgtaat tggtcatcca agaaatcaat gacatatcct    360

tctttctaaa acaattctct a                                             381
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7233

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<210>      17251
<211>      421
<212>      DNA
<213>      Glycine max

<400>      17251

gcttctggta gttcttaata tctggtctgc tcttgagact gaacctgcgc tccttcctgc    60

aactcgtaca atgtaggaac tcatccctgt gaaagtttcg tttcctcatt gcagtgtctt   120

tccagttagc cacatttgcc tggtgtgtgt aatatttcgt cagaggtgtc ttccagagtg   180

gaactctatc ttcatcttca caatgaaccc agatgttgct cttccacctt ccagtccctt   240

ctttcaaagc atgcttctca aacgcttctg gagtcacatt cactgatcca aataataatt   300

gtaaaactaa attagtgtaa taagattatc tattatctat attttacttt ggcttcttat   360

gtttaaaaag ttgaactttg gtctgagtgt ctttattaga ccacattgat cctttcgtca   420

c                                                                     421


<210>      17252
<211>      568
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17252

cctctaccac ncgtcaccac ccttatgcaa gtagcaggga cgcacgtcca ctcctcaaca    60

ccncatcccc ggganacccc tttgagtcga tgcctgcgaa acactgcaaa ccngagaacg   120

acacagtcaa cagcctcagg aggaacgggc gctttccgtc gccgaaacct catgcaggca   180

gagactgaga agagcacagg gacatatcca atcacgcata ccaagacatg acacaccacg   240

acgccatgac cggcgaacta acgtgcaacc aagagagaca acgcacaact ccctccgagt   300

ccaagagagg acaaccggac gcatgcacta ggcgcgaaga tagacgacat cacaacgcac   360

cgggagagga ctgcgccggc accggggaca ccaacaaatc ccgaacccag gcgggcgcca   420

gcgcgcctag cgtactacac acggaatatt gagcgccaag accacacgcc atccgaataa   480

caacggaggc gaatccgttc ccctcaagca gggggggaaac atcccggacg ccgagcacgc   540

acaccacccg ggagaacccc gcgcagcc                                       568
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<210>     17253
<211>     373
<212>     DNA
<213>     Glycine max

<400>     17253

ttgctttctt aagaaaactt ccttgagaag tttctttgat aaaacttcct tgagaagcta     60

gagtttagct acacacaccc gtctaaaaac taagctcacc tccttgagaa gctttcttga    120

gaagctagag cttaactaca caccCctata atagctaagc tcacccccat gacaaaaaaa    180

catgaaaata caaaaaaaat cctactacaa agactactca aaatgccctg aaatacaagg    240

ctaagaccct atactactag aatggccaaa atacagggcc taagatagga aaacaaccta    300

ttctactata tacgaagaag agtggaccca accttggccc atgggctcaa aaatgtaccc    360

taaggttgat gag                                                      373


<210>     17254
<211>     431
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     17254

acactatana caactcatgc ttaagccttg aattgagtgc cattaccgtg ttgattttta     60

agggagacca tatctgtaga tgaggtgttt ccaggtgaac ttttctacct ccctaactga    120

aatatcttgt aatggccttg cctcagtcca cttagtgaaa tagtcgatgg tgaccaataa    180

gaacttgacc actcctatgg cttttggcaa tgggttcaat atgtccatgc cccatatggc    240

gataggccaa gtggaactca agctatggtg gttgttggga ggggtgcgtg gaacatctgt    300

gaattcttac ctcctctgta agtagaaggt ggcagccaat aatatccgat acacaacact    360

ttggttgcta gggaacgacc tccgatatgg aggccacata ttctttcatg ttagtatcgc    420

atgacatagt c                                                       431


<210>     17255
<211>     381
<212>     DNA
<213>     Glycine max

<400>     17255
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ttgctttgtg taatcgatta cacttatttg gtaatcgatt accagtgact gtttctgata      60

aatcaaaaga tgtaactctt caaaaggttt ttgacttttt caaattggtt ttaaattttt     120

ctgaaagtta taactctact aaatggtctt cttgactaga cacgaagagt ctataaaagc     180

aaggttttgt tttgcaaatt aaattaattt cattctttca tactttactt ttccaatcaa     240

tcctttacaa gccttgaatc tctttgaact tcttcttctt ctttgtacca aaagctatct     300

gaagttttct ggttttccaa accttgaaaa cttgcgctat tcatcttttc attctcttct     360

ccctttgcca aaaagaattc g                                              381


<210>     17256
<211>     391
<212>     DNA
<213>     Glycine max

<400>     17256

tgagatgagg aagtgttgaa gggtgaaact ttctgctttt attgttgacc acagagtggt      60

acctggagat atgtcgcggg ggtcaagaga ccttgtggac gtcaagtggg gtgctattgc     120

ccaaaaccaa gcttgaccaa tcccgaccca acccgggcat agtcggtcag tgagaacctg     180

tgatgtacct aaacaggcga gctcctggca gtcaacagat aaaaggaaca aagaccacaa     240

agcaaggggg cttgtggtgg ctggccagct gtgaattttg tgtgatatgt ggattatggc     300

ctctggtaat cgattaccaa gggtgggtaa tcgattacaa ggcttaaaat tgaagacagg     360

aggctaagat ggtctctggt aatcgattac c                                   391


<210>     17257
<211>     544
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     17257

ccgcgacgca gcgtcccgcg cantcagtgt gtgtgaaaga atacatatca aaagtaccan      60

tgcataatnt gnannccnnn aagggagttt atttgagcgt cgaaaacacc agaggatacg     120

actcgcgcgg gggcacctag aagacgacct gcaggcaagc ttgcttaaac acccaacccc     180

gagcgtatgg atagatcacg agactatatc ataaatacga gtaaaaagaa attgccggaa     240

gaaggcacaa caggctacac caacagtgtg gatgaatatg gaagaacacg gtacagcaac     300
```

```
aaagagcata aataagggaa aacagcctag gacaagacgc gtagctataa cataaaagaa    360

ccaacgacta gcatgatacc aagccatcat gagaaattca gaaagaccga aagtgacgta    420

taaacagtca ccaacattga gaggttggag acgaacgcct atacataggc acaaggtgag    480

tcgcacatgc tcatacaaaa gaataaggac atagacttgg ctcataaaca aaacactaca    540

accg                                                                544
```

<210> 17258
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17258

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ttcaaacgac agtaactgct tattcggatg tccgattgag tcccgccata tatcgagacg     60

ctccaaatct attgttgaag ctcttagcca cttcaaacga caataacttt ttactccaat    120

gtctgattga gtcctgtaat acaacgaaag gctcgaaaat gaatgctcaa gctctgatcc    180

aatacatacg acaataactt tttactcgga tgtttgattg agtcccgtca tatcttgcga    240

ctctcgaact tgtatattga atttctgagc ccatcctaac gacagtaact ctttactcgg    300

atgtncgaat gagtctcgta tatatcgaca cgctcaaact gaatgtgaag ctctgattaa    360

ttcaacga                                                             368
```

<210> 17259
<211> 379
<212> DNA
<213> Glycine max

<400> 17259

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ttgcttatga gcctaaactt gaagcttcaa tgcagggaaa catgcttatg gctacgaata     60

caaaatttgg tattaggatt aaaaaaccat gaaaataggg acttggttgt aagaatttgg    120

gctgccccat gattggcact ttgcacctaa gtaacgtggg agatgctttt caatggtgtg    180

tagatatatg tgtaaatata aagggcatga aattctttgc aaagggagac ggagtattga    240

agacccttcc taaatgaatg tatgatagca cgggattccc ttttgaatgc aagtatgtgc    300

ataatgttaa atatcttgcc aatatgcatc agtgtgagtg aaataatgaa agattgcatg    360
```

gtatagatat tctgagtgt

<210>   17260
<211>   562
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17260

ccccaactgc tcacnctacc actctcaata tatggcgctc gatgtgtatt gttaatgttt   60

agtagcgctc ttactctcta ccctacgana ccgcgganna ttgaatcgat accatgtcga   120

gaccgtgaca ctatccaata ctccacgctc aatactgctt tgcggacttg ctcttacatt   180

tccatgtgga cgtcttttgt gtgaatgagt gaaatgttat gacatcccgc ttgaacgatt   240

aagatgagga agccgaagga tttggctatt cactatggag gtgcacatgg ggcaactgaa   300

agctttatag tgcctattta tcccccaccc taaacttgtt tcttcctatt tgtgcaatat   360

cttcttcatg gcggccggcc acccatcctc agaggtcatt actaaatcat cctcggggcc   420

tggctacgga cttctttcgt caatgagcat cttttttaacc cacgggctaa atctgctaaa   480

tggattcttg caccacatgt cagaaggtaa gcgccacata gtcgactaag ctaacttgac   540

ctatagcaga gctactcctg cc   562

<210>   17261
<211>   379
<212>   DNA
<213>   Glycine max

<400>   17261

tgcttatcat tagagatgtc agaagatagg gtttaaatgt ctataggctt ttgaagagct   60

tgtcgttaaa gattcatcac tatcctttat gggtgcttac ttagtgtaca atcaaatgaa   120

aacacattat attacaccaa gagaaaaaaa aaatccaatg acaaggaatg gctaattatt   180

gttaccaagt gatgtctttc tgtctaaaca atgttgaagc aacatgccac acatgatgag   240

ctaatcgctt aagtagtaga ttggaaagat gttcgaagtt tacatcaatg aaatgaacat   300

caaaagcact caagaagatc atatttatga cctcgtcaag ttcttttagc aatcaatgtt   360

gcacaatatt atcctaaat   379

<210>   17262
<211>   310
<212>   DNA
<213>   Glycine max

<400>   17262

gacctatgaa actcagctgc ttttgtcaaa gggatgagcc ggcgttttaa gttttggtat   60

ttcttgttgg atcatttgaa gtcattcact tacatttagt atttggatat atatatatat   120

atacattgat ctatgcgtgt gaaatcattg agttttccga taaatgtaaa agctacttga   180

ttcaagacat tctattgctt tctgcaatta tttagatatt ggagtctata ctacaaatgg   240

tgaaaatagt ggttcatcag cacactaaat attctaaacg atgtctcggt gtaggcgttt   300

attttattta   310

<210>   17263
<211>   380
<212>   DNA
<213>   Glycine max

<400>   17263

agcttgccta attcacctga aattgagaga aaatgattgt taaatacaaa aaatggaagt   60

actaagtatt tattatctat gcttaacaaa agatacttat aacactacaa ataaccata   120

aattggaaga gtttgataca acttacacaa gctttataca caaagttag tcgtatttac   180

cggctaacaa ctcccccaaa tttacagttt tgcttgtcct caagcaaaaa gagaacagct   240

cacttgtcct caagtgacaa taacatgcag tgactatgta caatggtgta tgaaacaaat   300

gttactgatt gcatgataat agaatgaagc attctgtact catcacttgt ctttcacaaa   360

atatgcaact attcaaagag   380

<210>   17264
<211>   406
<212>   DNA
<213>   Glycine max

<400>   17264

tgcttgtgga gcttctatgg aggctggatc tttaatcttc aatgaggtcc ttcaatggtg   60

attttccacc atggagatgc agtggaagaa gaaggaaaag gggtgagagg agacaccatc   120

cactatggaa taagacatgg aaaaaggagc ttcatcacca ataatgtgcc ttggataaga   180

agcttggaga ggatgcttca atggaggaaa agaaagagag agagaaagag agaggggggg 240

ggggagcatg aaattgaagg aagaaaaagg agagagaagc ttccttgata aggggcacga 300

aattgagttg tgtctcacaa gactctcatt catcaaagtt acaacaagtg ttacacatgc 360

ttctatttat agactatgta gctttcttga gaagctttct tgagaa 406

<210>   17265
<211>   378
<212>   DNA
<213>   Glycine max

<400>   17265

agcttgttgg gtcgcgattg acgaagggtg taaaagacga cgttagtctc cgcatgctat 60

caggctttct gtcttacaga tagcaaaaga atgtttataa ggataaccac tcgggtattt 120

ccaaccgcca gcgtgactca aatgtcagta tgacagatct tgtgagcgcg gaaaatgacg 180

taaatctccg cgtgtcaatg ggcttattgg gccgcaattg atgaagggtg cagaagacga 240

tgttagtctc tgcatgctat caggctttct gtcttacaga tagcaaaaga atgtttatac 300

ggataaccac tcgggtattt ccaaccgcca gcgtgactca aatgtcagta tgacagatga 360

ggtaaaactc cgtgtgtc 378

<210>   17266
<211>   410
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17266

ntgaggattt ggtctttgcc agtgaaagga tcgatgtggg tctgaaaaaa ggcaaattta 60

gtcatcctgc ttggacgaat gagaaaactg gggcaaatga agagggtgag aaagagggag 120

aaacccatgc tgtgactgcc attcctatac ggccaagttt cccaccaacc caacaatgtc 180

attactcagc caataacaaa cctcctcctt acccaccgcc cagttatcca caaaggtcat 240

ccctaaatca accacaaagc ctgtctaccg cacttccaat gacgaagacc acctttagca 300

caaaccaaaa aacaccaacc aaaaggaatt ttgtagcaaa aagcctgtan ggttcacccc 360

aaattatgtt gtcatatgct aaacttgatc ccatatccac tcaataattc 410

7240

<210>   17267
<211>   383
<212>   DNA
<213>   Glycine max

<400>   17267

agctttgaac aatatacttg tccttcattg aactgtcttt gggcttggcg gccacgctca   60

acaaagtatt ttcgacacct actgtacgtt gatttgacca atgctgttat gggaatgttg   120

cgacaatcct tcaaaacctt attgatacat tttgagaggt tggttgccat gtggccatat   180

cgacgtcctt ctctatcata agccatcgtc cattttttctt ttgaaatgag atcaatccat   240

gttgctatgg ctagactcag ttcacgaaat ttttctagat tttgatcaaa aatgtgcttg   300

caaggagtgt aggctgcata aaattagtta tgaataacaa ttttaagtat atatcaaagt   360

taaataaatg tgaccatgaa ata   383

<210>   17268
<211>   420
<212>   DNA
<213>   Glycine max

<400>   17268

tctaaggagg tgagcttagt tatgagagga tgtgtgtaga tatgctctag cttctcaaga   60

aagttttctc aaagaagctt ctgaaggaag ttttctcaag aaagcttctc aaggaagcta   120

cctagtctat aaatagaagc atgtgtaaca cttgttgtaa ctttgatgaa tgagagtctt   180

gtgagacaca actcaaagtt caacttctct cccttttttct tccttcaatt tcgtgctccc   240

ccctctctcc ttctctcttt ctttcttttc ctccattgaa gcatcctctc caagcttctt   300

atccaaggct catcttggtg gtgaagctcc ttcttccatt gcttattccc tagtggatgg   360

cgcctcctct cacctcttgt cctttgtctt cggctgcatc ttcatggtgg aaaatcacca   420

<210>   17269
<211>   386
<212>   DNA
<213>   Glycine max

<400>   17269

agcttttgca tgtttagata tttctagaga gagaaaggtc caagttctag agagttttga   60

```
gagcttttgc tgtaaaaaga cttgcagaga actgagcgag aagaggaagc catcttgaga    120

gcatgaaatg agtctgggag tgattgtgag gttctagagg tggaagagac atctccacta    180

cttgtatttc ttcaatcctt catttttctc ttctctttgt tgtaaaggaa gcttcctaga    240

tatggagagc taaatcctct gctggttctt ccttgtaggt acttgatgta aatacttgta    300

tatctattta atgatgtttt atgtgttctc tgtgctatca gtacgtcatt tcagtgtgct    360

tttgccttga tcacgtagat gcatgc                                         386
```

<210>   17270
<211>   403
<212>   DNA
<213>   Glycine max

<400>   17270

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tgaagacaaa ctggatgcgt tggtcaactt ggtaacccag ctggccttga atcagaaatc     60

tgtacctgtc gcaagggttt gtggtttgtg ctcctctgct gaccaccata cagacctttg    120

cccttccatg cagcaacctg gagcaattga gcagcctgaa gcttatgctg caaatattta    180

caatagacct cctcaacctc agcagcaaaa tcaaccacag tagagcaatt atgacctttc    240

cagcaacaga tacaaccctg gatggaggaa tcaccctaac ctcagatggt ccagccctca    300

gcaacaacaa cagcagcctg ctccttcctt ccaaaatgct gctggcccaa gcagaccata    360

cattcctcca ccaatccaac aacagcagca acctcagaaa cag                      403
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<210>   17271
<211>   384
<212>   DNA
<213>   Glycine max

<400>   17271

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agctttatct agtaaaatgc aatcttccac tttgcattta aaccacctaa accttagtga     60

taaaaattca atttccaata tcaatgcacc ttatcttttta tcttggaact ctacaaaacc    120

ttacactttt atctttctat aatttaaaat tctcactttt cttttttact ttttgtataa    180

acttgtggga atgaaatttt agtagtgaat gaatatttga gaattggaga aactagaagt    240

tttggaggaa gaggtctact gtataattga tcaattcttg tttttttttt gcttgataca    300

gaaaaaggaa attgaaaaat aacaaaaaat aattgaattc taacatatat gcactgattg    360
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aactaatcat ctaaaattgt gctc

<210>   17272
<211>   415
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17272

ntgaacaata tacttggcct tcatttaact gtctttgggc ttgttggcca cgctcaacaa   60

agtactttcg acacctactg tacgttgatt tcaccaatgc tgttatggga atgttgcgac   120

aatcctttaa aaccttattg atacattcta agaggttcgt tgtcatgtgg ccatatcgat   180

gtccttctct atcgtaagcc atcgtccatt tttcctttga gatgcgatca atccatgttg   240

ctatgtctgg actcagttca cgaaattttt ctaaattttg ataaaaaatg tgcttgcatg   300

gagtgtatgc tgcataaaca tagttatgaa taacaatttt aagtataaat gaaagtaaaa   360

taaacgtgac catcatatat gaaatcttac ccaatttctt caacatttct ttttg   415

<210>   17273
<211>   382
<212>   DNA
<213>   Glycine max

<400>   17273

agcttcaact ttcaatatcg agcgtttcga tatattacgg gactgaatca gacatccgag   60

taaaaagtta ttgtcgtttt aatttgctta gagcttcggt attgcatttc gagcgtctcg   120

atatattacg ggattcaatc agacatcaga gtaaatagtt attatcgttt aacttgctt   180

agagcttcga taatcaattt cgagcgtctc gatatattac gggactcagt cagacaaccg   240

agtaaaaagt tattgtcgct tgaatttgct cagagcttcg gtattcaatt tcgagcgtct   300

cgacatatta cgggactcaa ttagacatcc gagtaaaaag ttattgtcgt ttgagtgttc   360

tcagagcttc ggtattcaat tt   382

<210>   17274
<211>   414
<212>   DNA
<213>   Glycine max

<400>   17274

tcttgtttat acctcgatcg gccatgtttc ctgaccgacg tttactaaaa ttttttttcga 60

tcagtatcgg tgagtaaaaa ttatttttac gaggttggcg aacgttttcc cttccaagca 120

attgaaaaga tgccagtgtt cgccgaaaca caacttcgtt gtgctcgaac gaaaaaacct 180

agccgaccta catataaaat ttttacggca acaccgaaca gatgagctac ctctaccgta 240

aaaaaatgtt atctgccagc atttgtaaaa aagttgctca cagtcgactg aaaaatatca 300

gtcgcggcct tacaacatca gacgtcggcc attgtacttt atattcaatc cctgaatatt 360

atttggatga tgtctattag gaaatgttac atcggcgtca tccggtgacg cttc 414

<210>   17275
<211>   383
<212>   DNA
<213>   Glycine max

<400>   17275

tctttgcgca acaaatattt tattgttgcg tgatcagtgt aaatcactat ctttgatccc 60

accaaataag atcgaaattt ctcaagtgca aacacaattg ccagcaattc tttctcagtg 120

gtggcatagt taatctgggc atcattccaa actttgctag cataatagat ggtatgaaac 180

attctgccct tccgctgccc tgccctagca tagcacctac tgcataatca cttgcatcac 240

acatcaattc aaactcttgt ccccagtctg gtgctataat cacataagca gaaaccaatt 300

tggctttgag agtgttaaag gcttctaagc attcttcatt gaatacaaac acaacctcct 360

tgttcaacag attgcttaag ggg   383

<210>   17276
<211>   407
<212>   DNA
<213>   Glycine max

<400>   17276

tcctttacac aaagagaaga gaaaaatgaa ggattgtaga aatacaagtg gtgaggatgt 60

ctcctccacc tctagaacct cacaatcact cacaaactca tctcaagctt tgttctctag 120

aggtcatcgc ataacaaaat ctctcaaaac tctctggact cggacccttc tctctctaga 180

atctctcaca tgcaaaagct ccttgagaaa atggccaaaa tcctctccaa aatctgattt 240

caggcttaaa taggtggttt ttttgtgcta gcgcgcttag cacgactatg gaccgcttaa 300

cccgcattag tggatttcgg cttagcgcgt gcttttctcg ctcactggat ggactgaagc   360

ggtgtgctta actgcatgac cctttgctca gcgaacatgc acaactc   407

<210>   17277
<211>   381
<212>   DNA
<213>   Glycine max

<400>   17277

tagctttgtg gccatgtaaa cactaaggct tagggtttgt tttcccccgt tcaatcaacc   60

cagtgtttcc aaacaatgca ctttcatcaa gttatgcaca catccgagtc catttaggcc   120

ttcgggaaaa atctttcatt gcattcgtgg tcgaagccgg taagtgcacc ggatcgtgca   180

agtagtataa aacggtaaga accgagtgtc gaactcttgg gaaacttgtg ttacttggta   240

aagctatatt cagtgaatag gtgtctagta tgaaaagata tgtgtggact atgaacaagt   300

atgtaaacta actattaaaa aggaaaatca cgtgagtaat gatgtgtaaa gacaagtaga   360

caacgtgttg gtcttcctat t   381

<210>   17278
<211>   414
<212>   DNA
<213>   Glycine max

<400>   17278

ttagtgattg tgtgcgacca cagattttat attgagtgtc ctcatttata tgttctataa   60

ccaactctgc atgaatttgt aattgtcata acatatgatt tatgaatatg atctaggcct   120

tctttctttc tttacatctt aagccgctgg ccaagcaact atcccaatgt agttatttat   180

catttgcaag cccctttgagc caaacacttg atattttgat ggaacactaa cctaagataa   240

aaatttcttg ccttacctta ggttaggaga gcagcggtgt tttgttgggg attctatcat   300

ttggtggcta atgtaatgta aatactctgt tcttaatacg ggtattaagg gaaaacagaa   360

aagaaaagaa caatagaata gattagaaaa gatgaatata caggagaagg aaaa   414

<210>   17279
<211>   369
<212>   DNA
<213>   Glycine max

<400>   17279

tgctttgagc aaattcaaac gacaataact tttgactcgg atgtccgatt gtgtcccgta   60

gtatatcgag acgctcgtaa ttgaaaacgg aagctctaag caaattcaaa cgacaataac   120

ttttgactcg ggtgtccgat tgtgtcctgt agtatatcga gacgctcgaa attgaaaact   180

gaagctctga gaaaaatcaa acgacgataa cttttactc ggatgtccga ttgaatcccg   240

taatatatcg agacgctcgt aattgaaaat agaagctctg agcaaattca aacgacaata   300

acttttgact cggatgtccg attgtgtcct gtaatatatc gagacactcg taattggaac   360

agaagctct   369

<210>   17280
<211>   414
<212>   DNA
<213>   Glycine max

<400>   17280

tctgttttca atttcgagcg tctcgatatt ttacggtgct ctatccgaca tccgagttaa   60

aagttattgt cgtttgattt ttctaatagc ttttctttc aattacgagc gtctcgatat   120

actacgggac acaatcggac acccgagtta aaagttattg tcgtttgaat ttgctcaaag   180

cttttgttgt caattacgag cgtctcgata tattacggga ctcaatcgga catccgagta   240

aaaatttatt gtcgttggat ttttctcaga gcttcagttt tcaattacga gcgtctcgat   300

atactacggg acacaatcgg acacccgaga taaaagttat tgttcgttga atttgctcag   360

agattctgtt ttcaattacg agcgtcttta gatattacgg gactcaatcg gaca   414

<210>   17281
<211>   383
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17281

ttgcttcata tagaccaaga ccagaagtat ttgtaccttg atttaccatg atctcttaat   60

acaatatctt tattgttgat ttttttttcc tttggagaat gtcaaacgta aatcacattt   120

ttttatcagc ataaattaat ttgttagttt tattaaaaat ataactttgg aggatttgaa   180

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cccacgacct ctcccccctc tctttccccct tctccctcca ccacctctca tctgtcaacc  240

accttatatc tctcaaatat aaatcacatt tgttaattga aaggaggaaa atatcaaatg  300

taaattgctt ctttttttcca ctagaaatgc ttacaacatg tcttttttct atactctctn  360

ttcaacatta tctctactta tta                                         383


<210>    17282
<211>    419
<212>    DNA
<213>    Glycine max

<400>    17282

tatcaataca tttgaagagg ccatccacca cttcattatc actgtcaatg tttggattgg   60

tgtaaaagaa ctttggattc agataataac ccgctgcatg caaagggtgg tgaagttggc  120

aatcccatct tttatcaatg attgcaagga tatccttata cttcccttca ttgttattga  180

aagctctttg aattgcttct ttggccctat ccattgcttc ataaatgaaa cccattgtag  240

gttttttttc attatccacc aacctcaaca cacttacaag aggccccata gcctttaaag  300

cataaacaac atcattccaa aatgatggca taagaacaac atctgttgct tgcttcccct  360

tgggctcttt agctgcctta gacttcaacc attcatctga attaaacatc cttctaaga  419


<210>    17283
<211>    375
<212>    DNA
<213>    Glycine max

<400>    17283

agcttttgag tccataagag aaactattaa aacttgatta catgtctggt aaaaattgtg   60

caaagcaata ataatttgac aacttgtaat attttccccc caaatgtgta gtataacttg  120

taattccaag atatgtagtg ttcgaatgtc ctcccttcta aaaggtaaaa aaaaatagta  180

tttattactt tttttatgaa acgaaaagac attgtcttaa attgtgtgtg acttgactta  240

attttatact aactgtgggt ggataattat tgatgtgaca attaatacta caagtaacga  300

caaaggagct tcacccacag ggtcaacaac agtagaagca ccacaagatt cacctgtaga  360

cgacgttgat gaatc                                                  375


<210>    17284
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<211>   410
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17284

tgtgggtgct cccccttattc ctcttcaggt tccattatac catactttga ctcgcccccct   60

caaagattgt tccattgtaa gccttaccaa tcatctatat attaatttct ctttgaattt   120

aagttgaata attcttcttt gaattaaact agaatataag aggggcgagt ctcataaaaa   180

attacaaaaa tcctctttta tattatttcc atccttcata acaaacacaa ccttataaca   240

tataaatcta taacggtgat gaataactca tataaactac atcacgcaat tatagtttgt   300

gtcttggtta attctctata catatgaacc ttgagtatgt aagtatgttt ttaatgtaaa   360

aacatttang gtaattttat aagagtgatg ttacattgtg ttatgagaaa   410

<210>   17285
<211>   381
<212>   DNA
<213>   Glycine max

<400>   17285

tgcttatagt tattggaggg agaataaaac aatccaaaat caattgtacc cttcaagtaa   60

caaagaattc tttttgcggc ttttagatga ggagaggtag gagcctccgt aaagcgacac   120

acaactccca ccgcatatag aatatcaggc cttgtattgg ttagatatct taaactcccc   180

acaagactct tgaagaccgt ggagtctacc ttctctcctt catcaaactt tgataacttc   240

atgccacctt ccatatgtgt tttcacggga ttacaatcaa gcatattaaa tttcttcaac   300

acttcttttg tgtagcttcc ttgtgagaca aagataccat tctacgtttg cttcacttcc   360

attcccaagt aatatgacat g   381

<210>   17286
<211>   404
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17286

tcacaactcc aatactctat atgagctatg ccactaattt ctatctttat cctgtagttt   60

```
ctaagtcttg tccacttcaa tttaaaatca aaattactca aactgagatt gatttaaact    120

atataagcta agaaaacatg agtgaatatc atgctaattt caattataat ttgtccttct    180

ataaataaag attatagtta aattctagga aattctatgg agaccaacct tggaacttct    240

cctcaagtga caaaatatca ccagattcct tgacagttac actaggactt agcgagtgca    300

ttgatccacg ttttcctatg acgccaacag ttatttctac ccatctgctg tgccctttcc    360

acgtgaggcc atggccagtt gcatcctcaa attntgatgt caca                     404
```

<210>   17287
<211>   389
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17287

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agctttcaac aagagtcttc acaaataacc atcatgaagc agaaaactaa caaaactacc     60

catcatatct cccaaaaccc catacccacg aaatttaaga gagaagaag tccacccaaa     120

cctgaatttt cgaagtccca ctcgtagcca cgcacttcac gacttcgaaa atgctctcct    180

ttcgcgattt ggagcagaaa tgagcaccaa aggttggagc tttgttgggg tttcaatgga    240

gaatggagga gaaggaaaaa gcaacgtgag gaagagggag agcttctgaa ttttctgttt    300

tggctgagtg aggagagaga aaagcttttt ggttntaaat aaaaggttnt cctctttttc    360

tattattnta ttcatgctct gccacatgt                                     389
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<210>   17288
<211>   420
<212>   DNA
<213>   Glycine max

<400>   17288

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tctacttatg ttgcagggcg ggcttccttc actttcttgt ctccaacgcg agctttgacc     60

actgctcttc cttcccgcga tgcttctttt catgtccgcc tgagtgggct tatagcctaa    120

accatacttc ccacgatttc ctttggcatt tatcaggctc gttatgccgc cgttgtcttt    180

gcctaaaccc attccgggtt cataaccgtt ccccaacata actcgggcca tcattactgc    240

tgcatcggac aaacaaggct gccagagaag gagtccacgg aggaaatgct gaccacctca    300

aaagactgga aagcggtttc taacgattct tctgcggctt ccacataagg catagaggat    360
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gggcagctca ccaagatgtc ttcctcgcct gacacgatga ccaagtgccc ctccactacg   420

<210>   17289
<211>   388
<212>   DNA
<213>   Glycine max

<400>   17289

agcttgttta ccccatgttg aatttgctta caatagagct gttcatagca ccaacaattg   60

ttctcctttt gaagttgttt atggttttaa cccactaact cctcttatct tttgcctatg   120

cctaatgttt atgttttttaa gcataaagaa ggtcaagcaa aaggcggact atgtgaagaa   180

gcttcatgag agagtcaaag atcaaattga gagaaaaaat aaaagctatg ctaaacaagc   240

caacaaaggg agaaagaagg ttgtcttcga acccagagat tgggtttggg tgcacatgag   300

aaaagaaagg tttcgaaaca aaggaaatca aagcttcaac caaggggaga tggaccattt   360

caagtgcttg aaagaatcaa tgacaatg   388

<210>   17290
<211>   424
<212>   DNA
<213>   Glycine max

<400>   17290

tctagtcgtc catagacctc ctctgtggta cggtctatca aactttgcat ctgtgcattc   60

atcgcatcca ctaacagacg ttgagcgccg tccaactgat ggtactcgtc accaccacca   120

cctgctccag ccataattca acaggaaaaa aaaaatgtgc aataaaaatt attaaggttt   180

caggacctca caacactcta ctcacgtctc ttagatggta gtacactcgt gtttaatgct   240

ctcaataggc ttttgtgtaa tgtattccct cttgcctttt accactcgtg tttcctctta   300

agttcctgga tggaccaaat tagacacaca aggtaatata aaataaaagg aaagacaata   360

taatgatcac aaacagattt gatttgggat aacaacttgg acttgatttg gataataata   420

tatt   424

<210>   17291
<211>   386
<212>   DNA
<213>   Glycine max

<400>   17291

agcttggttc gaggtactta cccgttgaag atcgaagaac gatgaagaac gaatgaagaa   60

catcgaagaa cggttgaaac ctttgcgaga ttcctcacgg aaaacgttac ggaaacgttt   120

cggaagcgcc tcggcttaga ttttcttcac ggaaacaatt ttcccaagca aattcgaaag   180

agagagaagt gccaaagggg ctgaaccctt ttcttcttca cttcctcccc tatttatagc   240

aaaatagggg aggtggttgc cgcccagctc gcccaggcga gctcagctcg cccaggcgag   300

ccaggttgct tcctccagaa gcaacagcct tctggaggaa tattctggag ggcccaagtg   360

ggcctgggtg ctatttgcac ccccat   386

<210>   17292
<211>   424
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17292

ttctagctnt tcattggtgt atttggatct ccttttgttg ctctaaattg tgggagtgtg   60

ctcaaatata tggggcaatt ttggtttgtt ttcttgcttg attaggttga attaggggtg   120

tgtatgggat ggccttaggc ctataatgca tttttgaaca atgggacatg ccacattgtc   180

cccgttctct tgctattgac gcctaaacgc gcgcccacca agtgttcggt gaaatgcctc   240

aatggcatta gcgcgtgact tttgtaagga aacaacccat ggagcattnt ggtttgtaca   300

cattttcttt ttttggaata tgtattcatt cctgaaaaag gctatagtaa ttgccccgca   360

tatatcctat gcctangaac taaaatgtta tgctaataga acacaagagg atgtgcatat   420

tggg   424

<210>   17293
<211>   368
<212>   DNA
<213>   Glycine max

<400>   17293

ctgctgcatg ctgcttgtct tgattagaca tgattgatac acgacttatg actagtaaga   60

tatgcttaga gccaaataga gtgaagacga gtgagaattc tactatctgc actttatgca   120

gaatattgca tggaaagatg tgcaccataa ttttggctac gtgcatagag tgttgtgcat   180

atgcaggtgg gctaaagagt aatgcaaatg gagtcctgga ctatttataa taaatgccac   240

cggaatcagg gtgcactcat gtgatctata cttccattag aagttatgag tcgatccaac   300

ggtctacgaa ttgcaacgag gagactgtta ctggggttgt ttagagagaa aagcagcgat   360

atcgagtg   368

<210>   17294
<211>   424
<212>   DNA
<213>   Glycine max

<400>   17294

tgcctgtccg atgcaacaat aatgatggtc cgagttatgt tggtgaacgg ttacgaaccc   60

ggaatgggtt taggcaaaga caacggcggc ataactagcc tgataaatgc caaaggaaat   120

cgtgggaagt atgggttagg ctataagccc actcaggcag atataaagag aagcattgcg   180

ggaaggaaga gcggtagtca aagcttgcgg ttgagacaag aaggtgaagg aagcccaccc   240

tgccacataa gtaggagctt tatatgcgcg ggtctggggg acgaaggtca agtggtcgcg   300

atatacgaag ataatattcc gagtacattg gatttggtac gaccatgccc tcctgaattc   360

cagctgtgaa attggcgagt ggaagaacgc cccggcattt acgcgacgag cataatgtaa   420

acct   424

<210>   17295
<211>   383
<212>   DNA
<213>   Glycine max

<400>   17295

agcatctcgt gccaatcctt gtatgacacg gtcatctttt ggataatctt ttttatattc   60

ttattggccg cttccacggc tccattcatc tttggccggt agggcgtgga attgtgatgc   120

tgggtttaa actcctcgca catttccgcc atcatcttat tattccggtt ggtgccgttg   180

tccgtgataa tcttccttgg caaaccatat cgacagatga tctctttctt aatgaacctg   240

accaccacat tcctcgtgac attggtatat gaagccgcct cgacccactt ggtgaaataa   300

tctatcacta cgaggatgaa gcgatgacca ttcgaggcct tgggctcgat ggccccgatg   360

acatctattc cccacatgga gaa

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<210>      17296
<211>      412
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17296
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ntgcacgtat cggtcaagtg tatggaccac gttgtatcca aggtgctcat cgataatggt   60

tccagtttaa acgtgatgcc caagagcact ttggagaaat taccattcaa tgcttcccac   120

ctaaagccaa gttccatggt ggttcgtgcc ttcgaaggca cccggcgaga ggttaaggga   180

gagatcgacc tccctgtaca gatagaccct cacacctgtc aagttacctt ccaaataatg   240

gatattaacc ccccttacag ctgcctgttg gggcgcccgt ggatccactc ggtgggagtt   300

gttccctcta cactccacca aaagttgaaa ttcgtagtgg aagggcatct ggtcatcgta   360

tcaggcgagg aagacatctt ggtaagctgc ccatcctcta tgccttatgt gg   412

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<210>      17297
<211>      379
<212>      DNA
<213>      Glycine max

<400>      17297
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tatcttgagg atggtggcac aatacattcc catgaagacc acgagagttt tagactttta   60

gtttacaccc caaaatgtaa acattgctct aatgaagggg gcaacatcct ctctttatgt   120

gttgaaggcc tctagtgcag tgatatgtgt cacgctatgt gtctgccatg tcagacgtta   180

tttttccctc tccgcgtctc taacatgtca dacattgggg tgcctttctg ttgtgtacgg   240

tggcgcagct agtccaacta ctatgcaacc attcacccaa gttaacaaat ggaaaatcct   300

tcatttgaca acttgcgatt gaagtgaaaa gcgagactct acagttatac tattttataa   360

acttataaca taggcatat   379

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<210>      17298
<211>      382
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
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<400>   17298

ntgaggggtt ttcggtgaat gtgtgtcttg caagtctgcg tntttatttt cttttctct   60

tcatgttgat cgtttctgaa gaaaccttct gtatatgggc attgattact attacttcag   120

cttgaaaatt ggctcagatg gatggtttat tcaacttta ttccttattt tttttctttg   180

aggtattttc aactttatta cctcatttcc ttttccaccc tattgttgat tgatcaaaat   240

tcagttccat cctttctcaa ggattaacat ctgaagttag cctttttttt ttttaatatg   300

aatcttatgt taagcgaaaa tatgtttatg taatgcaacc aatgaagtgg gaagcttgag   360

aacattgtga gctatatata tg   382

<210>   17299
<211>   417
<212>   DNA
<213>   Glycine max

<400>   17299

taatatggaa accccattta ctatgttgat ccggtgagtt gggtgtactt tgagacttgg   60

gtcaccctga ctagccacta taggacacaa tttatgtagt ttggcttaag tagaaggcat   120

cagacgttaa tgaagcttct tatggctaag catatactcc tagactactt cacgagttaa   180

aaaatggtac cccttgtgca tggagaagaa aatgaggaac atgacatgca tatgcatcgt   240

gttgcagtat aatgtattga atggtattgt gttgaaatga tataaaactt gtgtgtttct   300

attcatggtt gttgttgcat tgcaagcatg tgaataatat ttgtcatgtg taatgtaaag   360

tgacaatgtg tcaaggtcat ggatatgtgt ccacacaata tatgtatatt gtttcta   417

<210>   17300
<211>   383
<212>   DNA
<213>   Glycine max

<400>   17300

tttcttctca agtaagctac catcactaac tatgcttgat ttgtgtcttt ttgaacctgt   60

atttggagac ccataaaacc aatatggagc atcagagcta cttgttggag aggatgaagc   120

atccaatttt cttgataagt aaagatcatt catatcgtca tcatcatcaa caaaatgttt   180

atacaagtat tgacaaaccc acttgtcatc aatatactat accttgtaaa ctcaaaaata   240

gtcagcaata acacctcttt gctcatttgt caacctgtat gagtgaaggt agcctatttg   300

aatttatgat tgtacaacca caagttgata aaggacaact tttgattgtt tactgtttag   360

tgcctcacct tcttgccttt cca   383

<210>   17301
<211>   407
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17301

tagccaaaca ggccctaagt gtctaagaag aagtttattc aaacaaaagt ctaacaccag   60

aatcattata attattatta accatagtga ttacacttat ttagatgcaa cagattctgt   120

ttggacacag cgattacact ttctaaatat cattattttc gtattaagta cactctaaca   180

ctaaatgagg gggagtaacc taaatcttac cctcttgatt tactgaaatt gcaatacac   240

tatgttctgc ttgggaaagt tcttttattt atttatatta tttttatatc atttatagca   300

gattgatcta accctaaacc aaaggtacca agattcgtgt tcgatgtcac agaanaagac   360

aacgaatgaa tgaatggcaa agatgagagt gaagctttaa gagacat   407

<210>   17302
<211>   381
<212>   DNA
<213>   Glycine max

<400>   17302

tagcttaatg attatgtaat tatcttcata ctgcttctct ggaagaaatt atgcttagag   60

acaaagatat tagaattgtt tcactatttt acttttatag taaatgtaat cttattctat   120

tgtttgagta atacactttt aagtgaaaca aaatttgtgt gtaaaactga tggatttggg   180

ctgttttcta aggagaaggt atgcattcca taataattat aagtggtaca agaataatgt   240

tgctttcatt ttatctatgc aagtattttt tgtttattgt ttatcttcag ctctttacta   300

atactagtat atgctgttta atttcaaggt atatagttag aaagagcata aagagtgcag   360

aagacatagt tcgtttccct t   381

<210>   17303
<211>   416

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17303

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ttttcagctt tactttctcc tccattgttg tttcttcgtt tctctccatg tatctcctca   120

cgtgtcttgt gctgaatgtt gttaacataa tttttttagaa gttccaccga ttaagcttgc   180

tatagaagct aaatttgatt ttctatggtt caaattcctt gttcttgttc ttgaaccatg   240

aattgtgttc agtttaagtt cctttgagtt ttatattgac aattattttg gctgaaacct   300

aaaccatata attcttacta aaacattaaa gtagaagaaa acctcaaaaa tctagaatga   360

catattcacc tattgtagtt ntgtcataaa agtcatgtct agtcatgaaa cttgtc   416

<210>   17304
<211>   382
<212>   DNA
<213>   Glycine max

<400>   17304

agcttgagat gaggaagtgt tgaagggtga aacttcctgc ttttattgtt gaccacagag   60

tggtacctgg agatatgtcg cggggggtcaa gagaccttgg ggacgtcagg tggggtgcta   120

ttgcccaaaa ccaagcttga ccaatcccga cccaacccgg gcatagttgg tcagtgagaa   180

cctgtgatgt acctaagcag gcgagctcct ggcagtcaac agataaaagg aacaaagacc   240

acaaagcaag gaggcttgtg gtggctggcc agctgtgaaa cttgattgat atgtgagata   300

tggtctctgg taatcgatta ccaagggtgg gtagtcgatt acaaggctta taaatgaaga   360

caggagacta agatggtctt tg   382

<210>   17305
<211>   421
<212>   DNA
<213>   Glycine max

<400>   17305

tgttacggat caacttgatt cgtaagtcac ttgcatatca acttgattcg caacaggcat   60

atggatcaac ttgatccgta acaagcttgc ggatcatcta tgtcaactac ggatcaaata   120

tagcttctgc agatcaacaa aaccctatgc ggatcacgtc atagcataca cggatcaagc 180

tgaatgagat gggtgcacca gcaataatgc taggtgcacc tagcaacacc catttaaatt 240

tcgtgatcta ttcacaagtt tccgtgtttc ccatcgtcac cgcttagctt agggtttttt 300

taaccaagat tttcaaaatc tatctataat aatttatcta tcccaaaata gatccgaagc 360

ccacatcacg aaataagatt gtttttcaag cttcggataa cacatattat catttgatgt 420

t   421

<210>   17306
<211>   395
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17306

tctaagttnt tagagtaaac tcaatattta aattctaatg caagtttta acaagtctca   60

tcatcttcat cttcaaggtc tgccatctct tcctctcagt ttttctttca ccactactcc   120

tgtaggcctc ttcctcttct ttagtttctt catccccacg ttattcttct cgtactttgg   180

gcctgtttgt ttaacctttt tttaaaaata aattaagcag ttttctgttt ttttatgtaa   240

tttttattt tgcatttaca ataatttgtt tttttatatt tagtccttgt aaaatgagca   300

gagttttgaa tttggtcatt atatttttt atgattttca tccttataaa aatttgaaat   360

aattgttatt gtccctattt tcatgtgata aatgt   395

<210>   17307
<211>   375
<212>   DNA
<213>   Glycine max

<400>   17307

agctttgaaa tttgaaaacc ctagcatggg ataatctatt aggcatccta agagtttatg   60

aattccatct tcagaactga gataatcaac caaagaaaga tttatttgcc cttaagtcta   120

gagagacaag ctccaaaaga ttagaaaaga atgcttctct aaatctctta aagtgaagat   180

agattattct gatgggtcaa acaatagttt tggagattcc acatatgatg aagtagctct   240

catgtctatg aggttcaagc aaatgatgaa aaagaaaggg aagttccacc attcctccaa   300

aagaaaggac ataagattca agatgaaata cgaggaggat agcattgaaa tcatctgctt   360

tgaatgttga aaacc

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<210>      17308
<211>      412
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17308
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tgcttgtggg gcttctatgg aggctggatc tttgagcttt aattaggtcc tttaatggtg   60

attttccacc atggaaatgc agtggaaggc aaaagagaaa aggtgagagg aggcgccatc   120

cactatggaa caagccatgg aagaaagagc ttcaccacca agatgagcct tggataaaaa   180

gcttggagag gaagcttcaa tggaggaaaa gaaagaggga tagaaaggga gaggggggag   240

cacgaaattg aagtaagaaa aaagggagag aagtttaact ttgagttgtg tctcacaaga   300

ctctcattca tcaaagttac aacaagtgtt acacatgttt ctatttatag actangtagc   360

ttccttgaga agctttcttg agagaacttc cttaagaagc ttctttgaga aa   412

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<210>      17309
<211>      384
<212>      DNA
<213>      Glycine max

<400>      17309
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agcttagctt gatagcttaa cttacagaat gaatctgggg cttagcgtag gatggcgcac   60

ttagtgcagc tataataaat tttcacaaag aggaagtggc acttatcaca tcatccacgt   120

taagcccact gcttaaggtg caacttacag tgaagatgtt cggcctaacg taacaatgtg   180

cgcttagctg aaccattcag ccaatcaatc aagggtcatt gcgcttagtg cgagtgatcc   240

ctccccactg caattacttt ttgtgttctt gtgttctatg ttgtagccta taaaactaaa   300

ccctcgatcc ctcgtcaggc tgaatatcca agcttcgtct gcagatcctt catttaagac   360

tacacccgat ttatgtagcc ctct   384

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<210>      17310
<211>      424
<212>      DNA
<213>      Glycine max
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<400>   17310

tgaccgaatg taagatacat cttcttcaac ctttgtcatt cttgactcca tttcattgaa   60

gcgcatatcc acttgcaatt ccaaggtatc aaacctctca ccaacaaagg tttgaagacc   120

atcaaacctt tccataatct tcgaaagaag agatgaatct tctccttcat gtccttcttc   180

accaacattt ctagcacctt tcttcaccca agagccatca tgctccttta tgtaaccaaa   240

ggatgctatg actgaagcgc ctgtaaggaa tgatctcatg attggaacat aaggttcaga   300

atcaagaggg atgttgaagt gttgaaggaa aagggtaaca agatgaggat aaggcaatgg   360

ggcattcaat cgcaatgcct tatgcatgcg atatctaaca aggtgtgccc aatcaatttg   420

taaa   424

<210>   17311
<211>   421
<212>   DNA
<213>   Glycine max

<400>   17311

tatgaataca acctatatat acgaaaagag cacaattata tttgtatgat gattaaaaca   60

cggcgtatgc gtatattata agtacttcat cactaagggc ttaattaaga tattttcctg   120

accgcaccct gctatgcata aatgacgctg acagtcgact aactcgattt ttatacctac   180

aatcataaac ttgctagagt ctaccataac ctcaagactt tgacatcaat ggtgagatga   240

gggtccaatt tcactgaaga attacgtgaa ataacatcca atttacagac atgaactcac   300

ctttgcaata tgactaacat ctatttaatt caaagtttg acgtctgtat aaccaatgaa   360

catgcgcatt catcatccat ccctgcagca tagaatgaca aaattccgcc ctctttagat   420

a   421

<210>   17312
<211>   382
<212>   DNA
<213>   Glycine max

<400>   17312

agcttgccct gagaaggagt ccacggagga aatgcttacc acatcaaaag actggaaagc   60

ggtttctaat gactcctctg cagcctccac ataaggcata gaggatgggc agctcaccaa   120

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gatgtcttct tcgcctgata cgatgaccag atgcccttcc actacgaatt tcaacttttg  180

gtggagtgta gagggaacaa ctcccattga gtggatccac ggacgcccca acagacagtt  240

gtaggggggg ttaatatcca ttatctggaa ggtgacttga caggtgtgag ggcctatttg  300

tactgggaga tcgatctctc ccctaacctc ccggcgggtg ccatcgaagg catgaaccac  360

cattgaactc ggctataacg gg                                          382


<210>     17313
<211>     408
<212>     DNA
<213>     Glycine max

<400>     17313

tgagatgagg aagtgttgaa gggtgaaact tcctgctttt attgttgacc acagagtggt   60

acctggagat atgtcgcggg ggtcaggaga ccttggggac gtcaggtggg gtgctattgc  120

ccaaaaccaa gcttgaccaa tcccgaccca acccgggcat agttggtcag tgagaacctg  180

tgatgtacct aaacaggcga gctcctggca gtcaacagat aaaaggaacg aagaccacaa  240

agcaaggagg cttgtggtgg ctggccagct gtgaactttg attgatatgt gggttatggc  300

ctctggtaat cgattaacaa gggtgggtaa tcgattacaa ggcttaaaaa tgaagacagg  360

gggctaagat ggtctctggt aatcgattta ccagggatgt aatcgatt              408


<210>     17314
<211>     348
<212>     DNA
<213>     Glycine max

<400>     17314

cgcttattct tatggctcgc ctccggactt cacccccgt gccaccccgg aagatctatg   60

ccaagcccct actttcgagg ggcaactccc accttatgac gactatcccg ggctagacta  120

tgacgaagga gatacccatc ttggcccccct gctccacctt aaagatccgt gctcccatga  180

tctaccccaa ctgaacatag tccggcatat tccggcctca cccacacccg tgaaagaatc  240

tgatctcttc ccggaagata atgtaaagac tgaggcgctt gaagagaggt tactagcagt  300

cgagtggcct tggtcattac ctcatctcgg aatcagcgga tctatgtc              348


<210>     17315
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<211>   420
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17315

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actccaagta ggcctccgga tcattctttc ctttaaatgg aggaatgttg agtttaatac 120

catcaattcg gttttgtcta ggaacaccat cattccctct tctcctcctt tcttcgtcat 180

tatgatctct attctccatt tgatccaacc tctcatggag cgcatcatct cgttgtttca 240

ttaacctctc caaatgttgc atcaaagctt gcattggaa ttgcgaaagc cccacttcat 300

cattaggatt agtacctgac atctcaaaca aacaaatcan acgtaacaag acaattatag 360

ttgttggttg aataccctca cccactcaag ggttcacaca attatggcgt ttctctaatg 420

<210>   17316
<211>   384
<212>   DNA
<213>   Glycine max

<400>   17316

agctttaagt gtgattcctt tcttttttctt gtcattctcc tcatgctgat tcaatcttat   60

tagttccatt tcatgttcct gtaactttcc aaacaaagtt gcaagagaca tgtttgaaag 120

atcccttgat tctgtaatag ccattacctt tgattgtcat tccctgctta aacatctcaa 180

aactttatta ataagatcct tattgggaaa tatctttcct aatgatgcaa gatgatttac 240

tatgtgtgtg aatctctttt gcatgtcctg tatagtttca ttaggattca tcctatacaa 300

ttcatattca tgagttaggt atttattcta gacctttta catttgtagt tccttcatgg 360

gttacttgta agttattcca cata   384

<210>   17317
<211>   425
<212>   DNA
<213>   Glycine max

<400>   17317

tgcaccaact tctcatttca tccataagat actagttcat attttaattt aatgttcagt   60

aacaagacta aacatcataa taagaccaaa gatatataaa ttttttattt gatacttatc 120

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tgtatatact aaaaggaaaa ctgctgaaat tagtaattat tgattatttt tgcaacatat    180

aggaaagaag acgttatgtg tgcttttta gtgatacgat gttatgtgtt taacagacta    240

ataatatagt tttacgtatt gaaacatcaa attataaata ttttgtataa aaattaatgg    300

tatatagttg ttggatgtat ttattcagaa aaaaaggtta ttgggtgtat ttcttttat    360

tggccctccc tgtcttctaa gtttaagttt gtccctgcaa catgtcattg accaattcta    420

tgttt                                                                425


<210>       17318
<211>       415
<212>       DNA
<213>       Glycine max

<400>       17318

gtgagaaata cttgctcgat atggccgacg tattactggt ccctgtcaca taccacgctc     60

tagggcatgc catgaacctt gccatagatt ctcatgacta actgagctac accaccggcg    120

gagcgttgct gtggaagtga tcccagatga gaacctttcg caagcggtca accaccacca    180

acataactga gtgaccgtga tacgaaggaa gaccaacact actgtctaga gagaaatcct    240

gccatggtta cgccgaaatc ggaagggggag acaggaggcc tggggcacga ctgagaactg    300

acttagttgg ctgactggtg gcagagctcg tgaccaatag atggatgcct cgatgcatag    360

atggccagac aaaattctct cgagtacggg ctaacgtcgt cattactccc atatg          415


<210>       17319
<211>       412
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       17319

ntactattac aaaccaagct tagtgtgtgt ttcacataag cctaaatgcc taaaaaataa     60

gcataaacct aataaaaat cattttcat aaaatataac ctaattgaaa atttttaaaa    120

ttcaaaaata ttctcaacgc ttcacgcgaa tcaagttgat ccgcaagttt cacgcaataa    180

gagcacggat caagttgacc cacaataaga gcacggatca agttgatccg tattaatcct    240

gcggatcaac ttggttcgcg tgaagcttgc ggtagaactt cattcgcatt ctacctgcgg    300
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atcatctcac actaatgcgg accatctaca ttcacactat gcatacgcgg atcaaccaca   360

cacatacagc atctatggag acgcaaatga caagggagtg gcttaccttg ac            412


<210>      17320
<211>      408
<212>      DNA
<213>      Glycine max

<400>      17320

tcttgttctt attttataag ccttatattt ttatatttta aaaaacttat aatgtaatac    60

ttaagtccta aaatactctt attcaataag atggaaaggc atgtcaaatc gaataaacaa   120

agggaaaaga aagcaacaaa aaaaaaagct accatcaaga tctaaatctc caaggagtaa   180

gaagcttttt ggatagcaaa gcttaaaaag aagaagaaaa acaacatttt caaaagagag   240

gaaaatagat aaatccaaca tgggttcaac aaactactct agcactagcc tttggaacaa   300

tttcaagcaa tacaaattcc aaaggttatg tatgtcttgg cctttgctat cttttttccgg   360

cctttggatg aaacaagaat gaatggggggg tccagattca cctttgaa               408


<210>      17321
<211>      172
<212>      DNA
<213>      Glycine max

<400>      17321

agcttcttgc gtagccgctc ttggtgctca gaaaatccca aaaacaaatc cctcttatta    60

ctagctattt tgaattcttt agctcttgaa tgtacaacct tcaaattgtt gctcgttccc   120

ctctttgaga atgaggagga ttctcatagg acttcatcca actgatgttt gt           172


<210>      17322
<211>      416
<212>      DNA
<213>      Glycine max

<400>      17322

agaggagtgg aatccaattt atctaatcta tgggcctagt cttgatttga tagatattct    60

attaacacca tttaaatccc ttggacccaa tgacaggcca taatttattt cagacagact   120

ataaagacat catgcaacta aaataataat atataccaat gacttctttc atattgatgc   180
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ataggaagat atcttaaata caatgtttct cgccatatct tgatttacaa ttacaaacaa   240

tgctacagaa tatggacaac ataaaactaa gttcctgacc aaacggccta agcagatggc   300

aatgataaac ttatcagtat catattcaca ctgtcagtgc tatttcctat tgcaattatg   360

actcacatat acaacatact gcgcagatga catgatataa ccacccaaaa ataatg   416

<210>   17323
<211>   376
<212>   DNA
<213>   Glycine max

<400>   17323

agctttatcc tcatcgtccc tcacagtctt tagatttggg agccaatcca atccttgtgt   60

tcggactctc agccacttat gatagccgcc gatgatccca ttactgcttc ccctaagctc   120

tctgtccttt cttcacgctg catcccatgc cttgcgaact ccttggagta ccctcgcgtt   180

gtggtcacta aaaccccgtg cgatgaaagg cgtgatgctt tcgtctaatg gcgctcctct   240

catggggtag ccaagctgtc ttatggcgag aacaggatta taattaatac aaccccttgt   300

tcccatcaag ggaacatttg gacatccttc gcatgaagat agaatcttga ttctttcttc   360

cttctagcaa gggaac   376

<210>   17324
<211>   418
<212>   DNA
<213>   Glycine max

<400>   17324

tgtccgcaaa aaattcacta aaaaggattt taaggtttga tacttcaatt tttctcacta   60

agtaaaatgg atccttttaa ggtccaacgc cttaaaagga ccaccttcca agtaaaaaga   120

atcgcttgat tcacccttta gaaagaacta cgtaggtctg atttcctctt cgatggaggg   180

tacgtacgag caagagcccc acttttgtcg acctcaaaaa ttaaaaagaa ataaaagctt   240

aggaacacaa tttcacacaa ttctaatttа aggctgttat cctttgggat aaacgtgaga   300

ggtgctaata ccttcctcaa acgtaaatat aactcccgaa tctggaatat tcttcatgac   360

cggtttcctt cggttttttct gacattttcc acaaataaac gttggtgacg actccgcg   418

<210>   17325

<211>   402
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17325

tgtcccaatt gagccagctt attcctcttg ntgatgcacc ttttgatccc caccaaaata   60

aattcagcat catttaaatc tcatcctcta gtgtggttgg aagcaagtgg atactcatgc   120

aatatgaagg gatttcctaa ttagaagttc cttattacta gctttggaaa gatactttct   180

cgagtagtga ttgatgcatt ccaaaatttg atcctttata caactgaaaa tttctttatt   240

tcatttgcct atgatagaag ggaggcctaa gcattttcta gaccctatga ttgtataggc   300

acccaaaaga aacatgatag tttgcgtcaa atattgctga gtgttggtgc tgaaaaaata   360

ttatgacttg tctaaatata tcatttggtc caaagccctt cc   402

<210>   17326
<211>   379
<212>   DNA
<213>   Glycine max

<400>   17326

agcttgttgt ttgttgccaa gatgtgtagc agcacctttt tcggcgtgca gctagggctg   60

agcgtctgag catttgtttc ccttgcgacc ccatttcagt aacccttgtt cattcaccaa   120

ctctcatgca gaaatactac tcaggcaaat tttctcttta tataacttta ttgatttatt   180

taatttaaga ttaataatag tataaactta agaaatgcat ttaataattt cattttctta   240

aaacttatta tgatggacct cgatctctag atcattttgg caaatttagt caatcacgat   300

aattaaaact caataactaa gctccaaaaa aatattttcg ttaccaatgg caatttttgt   360

cactaatgtt ggcgtcact   379

<210>   17327
<211>   409
<212>   DNA
<213>   Glycine max

<400>   17327

tgacaaaagg cctacctcat gtggtatgcg tccaatgaag ttgtttaaac cgaagctaac   60

gcgagataag gaagaaaggt ttccaatcca agttgggatt gttcctgtaa gattgttaag   120

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acctgcagct agcactctta gatttgtgca gtggctgaga ttacttggaa aactgccacc    180

aaagttgttt atgctgaagt ttaggtattg aaggtatagt aaacgaccaa cctcttgagg    240

aaattcacca tggaagctat tgtttaacaa gttgactgtg gtgaggaatg tgaggtttcc    300

tatgaagggt gtaagagtgc ctcctagtct cagttgctca aggctaaggt gtgtgactct    360

tccattggag atgttgcatg tgattcctat ccaatcgcag tgattgatg                409


<210>      17328
<211>      562
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17328

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atnacatatn ttaatctaca ncaactcgag acgcgaangc gtgttgtcgt gancactata    120

agcaaactcg agcctagcgt ccgggggtac tgtataggta ctctgtggct tgtcggcttg    180

ttcttattta tcaatccaca tgaaaggaag actgggttct atatgttatc tcctaccgtg    240

tgcctcgaga tgagttgcta tattaatggc gatgtgttgt ccttccgccc acccatagga    300

agatgaagcc tcgtggttag gttttttcatt aaaggttgac gcccctacag cttgacaagc    360

agccatattc tgcccaatat attttgcttt acgaggagtc acgagcagct acactctgct    420

attttgatca ccccaagaat ggtggtgttt ctaatacgaa aacatacccca gcagtgctta    480

ttgtgttctg ctcagaaacc attttagctt ccagaaagag aaggttctat gggttcttca    540

ttaacctgct tatcacacca cg                                            562


<210>      17329
<211>      414
<212>      DNA
<213>      Glycine max

<400>      17329

tcttatccaa ggctcatctt ggtggtgaat ctccttcttc catggcttat tccctagtgg     60

atggcgcctc ctctcacctc ttctcctttg tcttccgctg catctccatg gtggaaaatc    120

accattaaag gacctcattg aagctcaaag atccagcctc cacagaagcc ccacaagcaa    180
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gtttccatca ataaacttca taagatttta tcaatgtgat cataattatc ataatatcta    240

cctagagagc aaagctcatt cagaatggtg tggaagcgtc caaacatggt ttagatatct    300

tctccttctt ccatactaaa gagttcatac ttatgtgtca gaagactcaa cttgttatgc    360

tttaccttgg aggacccttc gtaggtaatg ctaaggtttt cccacatctg tttg          414
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<210>   17330
<211>   509
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17330

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tcccaacgca tgcaccatgt tacagggttc aaatattatg tgcntattat tatacccgac     60

ggcgagatga tctttattct tcttggaaac aactcgttcc gggatcctat gatcgactgc    120

gagctgcaga ttataccttc tttttctcca aaaatataat cgagacggga caccctctga    180

cacaagtaaa agaccatccc cagcagaaag agagccagac cgactcacag acccaccgaa    240

ccccggacaa taataataaa aaccactgcg cgagctatat acaagcaagc tcccacacaa    300

agactttcct cccttttccga tggcatactc cgagctatga cccttcttac taggagaaac    360

atttactggc gggcatacct gcagaaggta ttccagacac ccctcccccat agtactatga    420

atccagagcc aaaagcgtgc tatcatagag gaggtgcccg acacaatatt tgaccctacc    480

tccctccaca cgattaggtg aggccctcg                                      509
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<210>   17331
<211>   420
<212>   DNA
<213>   Glycine max

<400>   17331

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tagccgaatt cagatcgaat tgaagttagc ttagcttatc cttggccagc ttagcggacc     60

aaatcagcct cagatgcaag ggttgggtgc taagcgcatg aacagagatg cacttagagc    120

gaggcttgcg cttagcgaaa ggactacttt tcaaaaaaaa gttttctgag ttatttttca    180

gtcctttttt ctaagaaatt gaaaccctta tgttaaacat tcaaagaaag gctgatatac    240

tcctatgtac agatcatata gcaagttcca aatgattaaa tgcatgaaaa aacaaagata    300

acatacatta aaactgggtt gcctcccagg aagagcttct ttaacgtcat tagcttgacg    360
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catagcttaa taccttcaat gtggcatgaa agtcacaaag aacacatctt ccttgaagtt   420

<210>   17332
<211>   384
<212>   DNA
<213>   Glycine max

<400>   17332

agcttgttat gaacatccat tttgtaagca gagaaaagaa cgtttccaca aacaataccg   60

aaagatagac atgttattga gggcttttgt gcaaatacaa ggaaaaatgc aattaccatc   120

ttgctcctct tagcctcttc atcgatgtca ttaccatcat caccaatagc tttcctggaa   180

aagtacatgg catttataaa tgtcagtaca tcaataacaa tatgcatatc atgagagtga   240

aacaacaaaa caaacagata ctggacttca aaccttcttt ttgtaatgac ccgatcatca   300

tgaccagcct cagcatggcc atggccatgg ccgaattcag gaaccctgct aacaacgttc   360

ctcagaaagt caaagacatt atag   384

<210>   17333
<211>   422
<212>   DNA
<213>   Glycine max

<400>   17333

tagaatacct gctgccaatt cagttcccaa gtctaattac aatttcattt ccattaaatc   60

tgtattgtct tgtaataaag aagtcattga tatttggcat ttccgtttgg gtcatccttc   120

atatgatagg atgcaagtgt tgaaacaaac ttatcctatg ttgacttgtg ataaaacctt   180

tgtttgtgat acttgccata aagcaaaaca gagaaaactt ccatttccca atagtgactc   240

ctatgcttct agtcctttct ctttgataca tgtagatatt tggggtcctt gtaccacaac   300

tactttgaat ggacataagt attttcttac aattatggat gatcatacta cgattgtttg   360

gagttttata atgacttcaa aagctcagac tcaaactcat ttacaagcct ttgtttccta   420

tg   422

<210>   17334
<211>   386
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17334

agcttgttng attatggggt acccatcaca tgtggtacta tgtggcggtc gggcgatggt   60

gcacaacaag ttttccacat tcacaaatcg cgcataaacc caccatcccc tattgcccac   120

ctccaactga gctcacgtac tcccacgtag cccatatcct cgtttctctc aacaccgggt   180

ccccatcaat cctcccaagc ttccccaaca tccaggtaat acaacattca aacagcacaa   240

actatcacag ccaataaaac agggcaaagg cagaaaactc tgcccaaaac accaaccaaa   300

atcacaactt ttctcactta tagaccccag taacaattcc ttcgttccag ttcgttaacc   360

gatggatcga ctcgaagatt ttactg   386

<210>   17335
<211>   428
<212>   DNA
<213>   Glycine max

<400>   17335

ctcagcttct caaggaagtt ttctcaagaa atcttctcaa ggattctacc tagtctataa   60

atagaagcat gtgtaacact tgttgtaact ttgatgaatg agagtcttgt gagacacaac   120

tcaaagttca acttctctcc ctttttcttc cttcaatttc gtgctccccc ctccctcttt   180

ctctccctct ttcttttcct ccattgaagc atcttctcca agcttcttat ccaaggctca   240

tcttggtggt gaagctcctt cttccatggc ttattcctta acggatggcg cctcctctca   300

cctcctttcc tttgtcttcc gctgcatctc catggtggaa aatcaccatt aaaggacccc   360

attgaagctc aaagatacag cctccataga agccccacaa gcaagcttcc atcaagtggt   420

aatcagag   428

<210>   17336
<211>   382
<212>   DNA
<213>   Glycine max

<400>   17336

agcttctgga tgaataatcc acatctgcac atgaacgtca ttgtcaaaac gagatccagg   60

gccaataata agactccgtg aatgaaggat aattacaaaa ctttcctgtt tattatcttt   120

ggttgtgtga attctagtga ggtctatagc ttgaaattaa gttattttca ttggaccaac 180

aaaagagcga gagacatgga agaccctcgt atgattaaag acaagtcact ctaccaatgt 240

gcattgggaa actgttatga tctgtacttg cataaagaca aatagcttgc cataaacatt 300

tgatatgggt agccttatca tggaggtatt ggccgtagcc atattgatag tgacatcatc 360

caccgtccta acctaaatgc aa   382

<210>   17337
<211>   413
<212>   DNA
<213>   Glycine max

<400>   17337

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gaaaatggaa atctttctat atggagaggg gaaattcggt ctcagagttt ggagcaaact 120

ttctaagtaa taatttcacg gattcatatg aaagtactaa taatttcacg gagtaagacg 180

taagattggc aatcccaaaa agccatataa ttgactacta attactcatc atatagcttt 240

tgaattaagt ttgcagaatt tattatgttg actagttaag gtgatgaaat ttcgaactaa 300

ctatagtgat agtactatct tgcttctcca taattcacaa agaccagcat aaccaactct 360

ttgacggttg acttgagttt aaaagttcta taaagaaaaa atggagattg aat   413

<210>   17338
<211>   257
<212>   DNA
<213>   Glycine max

<400>   17338

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atcgaaacgc tcgaaattga aaacagaagc tctgtgcaaa ttctgacgac aatacatttt 120

aactcggatg tccgattgag tcccgtaata tatcatgaca ctcgaaattg agaataaaag 180

ctctgaacaa attcaaacga caataacttt gtactcggat gtccgattga gtccaccaat 240

atgtctagac actctta   257

<210>   17339
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<212>   DNA

<213>   Glycine max

<400>   17339

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ctggtccctt tcttcctttc gcaacttgag ttcactattg ctaccccata gagctccgcg   120

aaatttgttc cggccatact cttccttgcg agccctcttg gtctcttgtt caagggctct   180

tgcggtaatt gcattctctt cccgtaaccc ggcacactcc ttccgaacgt gtgtagcggc   240

caacttgaac ttctccttgg caagttttgc ctttcctaac tcgcttttga gagcttggac   300

ttcttcgtcc tcttccggtg cttcaaaact ctctttgctg acgactttta acttggcgag   360

ccaatctaaa cctcgtatat gaactttcag ccattcgtgg tacccaccaa tgat   414

<210>   17340
<211>   381
<212>   DNA
<213>   Glycine max

<400>   17340

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gcttggatag ttacaatttg tgtttgctta tgctcaatta tcttgaataa cacaattcca   120

gagagcttaa gacttatttt gattcacaaa tccagccaca actcagcacc acaactcaac   180

ttcatcatag gcatcatgta tgaaacttag aaaacaaaaa aaagttcaag aacaagacta   240

cttctaggaa ttgatttaga acatgttatg aactatataa catgcatgaa ttagactcaa   300

aattcaaaag ataggctaag aatgacaaga atacatgaac aaatgtatct agaattcaat   360

caactaaata aaattcaaca c   381

<210>   17341
<211>   393
<212>   DNA
<213>   Glycine max

<400>   17341

tcctccagaa tcgtggtgtg attggccgtc atgggtttgt aacgatcgta cttggaccct   60

ttggggagag gttggcgctt gtctgacttg tgcctcttgt ctgacttgtg caagtcgccc   120

ttggtgtttc ctttgcgctt tacgtgcttc tatccggctt ggtggacttc tttcggaatc   180

7271

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tagacatttc ttccatctgg acgtagccct taggttgttc acgcagctcg tgcatgctac   240

tggtgcacaa actgtttgca aacttgccgg ggcgtaaggc gaggagcatg gaatgcaatg   300

ctacctcatg gttaagattt cgaatctaga cagctgtgcg ctcaaatttg tccatgagtt   360

ttctgaggga ctcatcatct gcttgtcgta gac                                393


<210>      17342
<211>      377
<212>      DNA
<213>      Glycine max

<400>      17342

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agatactact ttgtttcaca aagattatgg aaccctaaac cctaatcatc tagatatata   120

tggatgatat catattcggt tgtactattg actctctgcg aaaggatttt tccaagttta   180

tgcaggccga gatcgaaatg agtgtgatgg gagaattgaa gtttttcctt ggacttcaaa   240

tcaaacaagc agacgaaggc atatgcatac atcatacaaa gtacgtgaag gaactcttga   300

aaaaatttta gatggacgat gcaatatata tgaaaactct catacatccg accactatac   360

ttagactaga tgatgat                                                   377


<210>      17343
<211>      406
<212>      DNA
<213>      Glycine max

<400>      17343

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cagaagatgt aacccttcat aaggttcttg acttttcaa attggattta agtttttcta    120

aaagatataa ctcctctaaa tggtcttctt gaccagacat gaagagtcta taaaagcaag   180

gctttgattt gctttccaag acactttta cattcattca ctcaatcctt tacaagtctt    240

gactctcttt gaacatcttc ttctgttgtg aaccaaaagc tttctgaagt attctggatt   300

ttcaaacctt gaaaactcgt gctatacatc tattcattct atttacgctt tgccacaaag   360

aatgcgccat agactaaccg cctgaattct ttttgtgtgt ttctta                  406


<210>      17344
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<211>      381
<212>      DNA
<213>      Glycine max

<400>      17344

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ataagatact acaaagatca cattttaaaa aaaattcata tttaaatacc cattttttggc    120

gttttttttt tcgtgggtgt ggcagtgccg tgagacaatg gagggtggcc atttctcatg    180

tttggacgtc aaagaaccca aaaacattat tcccgttctc cggttctgtc aaataacagc    240

taaaaacaaa gccagaaaat ccaaaaaaaa taggaaagtg acctttttc atgttcaagt      300

acccatgttt gggaattttt tccgtaggtg tggcagtgcc gtgagacaat ggagggcggc    360

catttctcat gtttggacgt c                                              381


<210>      17345
<211>      415
<212>      DNA
<213>      Glycine max

<400>      17345

cttctggtgg gacatcttga cttgctttcc aatctgacat tcaccactta ttctgccttc      60

ttctattttc agattgggaa tgcctctaac agcacctttg tcaatgattt tcttcatgcc    120

tcttaagtgc agatgtccaa atctttgatg ccatattttg acttcatctt ctttggagaa    180

tagacatgtg gaggagtaac tggtttcttg aggggtccat aggtaacagt tgtcctttga    240

tctgctgccc ttcattaaga cttcactctt ctcatttgtc accaagcatt ctgactttgt    300

gaagcttaca ttgaatcctt catcacacaa ctgactgatg ctgatcaagc tcgcagacag    360

tcccttcacc agcagtactt tgttcagact aagaagtccc tcatggacta tcttt          415


<210>      17346
<211>      351
<212>      DNA
<213>      Glycine max

<400>      17346

agcttcatac aaataagaga aaaaatgttt ttggtgaaag aaaatggaaa aagatgaggg      60

agaatgtctt ctccagtctc tctaccctat ttctctctgt ttttcaagta gcaaatgctt    120
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ggccagattg tggatgtggt ggtgactgtg gtgacctttt gttttttgcc aatctcagtg    180

ttgtaaaggc tcttatactt ctcagcacac gaaggctcgc tcatcgaaca tgtctcattg    240

agtaagggta agtgaaaata cactaagcga gctcgggcgc gctaagcgcg aaaagagaca    300

acgtcctcat tgggcgggct ggctggatgc tgagtgcgca gatctctaac t             351
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<210>   17347
<211>   411
<212>   DNA
<213>   Glycine max

<400>   17347

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taattcaagt agaatccatt aaaacaaaaa tgtaaaacat tagaggtcac atttaactat     60

atgtaacatt aacatcttct aggaactttc gtgcttgttc gccttccaca acactttcat    120

tgatgacagc agaagcaata tcactatctc ctacataatt aaatgtaaag aaaattaata    180

gaaataatcc taaatataat aaataaaatg ttatctgaca aacacaatga tttaaaagga    240

agacaataat tagaaaatag tgtcatgtga ggaagctcca aaccactgat atgtggaaaa    300

tatagcataa attttaaaaa cttgacatat aaaaatacac catgagctag gaagccttga    360

accactgata tgtggaaaat ataaagtatc catgtacata ttgcatcaaa t             411
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<210>   17348
<211>   376
<212>   DNA
<213>   Glycine max

<400>   17348

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agcttaacaa ccctaaattc tgattgtaat ttacatttag caacagtcaa aatcacttga     60

cgttcaattt atacacttta gatgcgtctt gattataacg aatgtcttca caatactagc    120

tagatggatt attgtgatat cgtgatgtgt tttttaagaa ttttttttaat tcttaatttt    180

attggtacta atatgtagaa ccatgcaata catgagaaat tagtgtttaa ttttttattat    240

tattttaatt aatatgtaat ataagcattt tttattcttt tctctttcaa gtcaatttta    300

aaaattattt aatgtaaaga aaaatgagca tgattttaga aaaagggaga gaaaagaaaa    360

taatagcaaa gaaatt                                                    376
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<210>   17349

<211>   412
<212>   DNA
<213>   Glycine max

<400>   17349

tccaccctgc ctgtggcatg gcaacaagca catggttcac taatcatgaa tgtcacgctt   60

ggtcgaacct gtcaaacatt ggtaaagcat cggtaattca ttttaataaa tcttactaaa   120

cttaactgag tgttgtgcca acaattatca gagggaaagc aacttgaaaa agaaaaatgt   180

agttcaagca ttattctttt caatctatag ccattttagc atgtctgagt tcagtgagtt   240

gaatcaagtt gaaagatggt gatcagtaaa tttggcatac tatttgagaa gttatacttg   300

aataaaacca atggaaagtt atatacaaaa gaaaaggggg gaaggtcgct tgatgtttca   360

tatgaaacac atctttcttt tccacacttg tctctgataa tgggataaca aa   412

<210>   17350
<211>   382
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17350

cagcttcatt aatagacttc ctccagaagc ttcattaaga ggcttctaac acactcccaa   60

catcttttca aagatcccaa ccgtcatatc atggaaaatt gtctttggaa gttgcaatcc   120

aaatttcgag aagatccaac ggttaacgaa ggctggacag agtttttacc gagacaactt   180

catgtagctn tctctataag cttcattaag aggcttcctc cagaagcttt ctcgtggctt   240

ctttgagaag ctatctcaag aggattcttt gagaagctag atccttatct atccacaccc   300

ctctattaac taaattaact tccttaaaaa taattacgga tgaaataat gtaacanata   360

atcaaacatc aaacataatt ac   382

<210>   17351
<211>   418
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17351

aagcgcgggt ctgggggacg aaggtcaagt ggtcgcgata tacgaagatg atgttccgag   60

tacattggat ttggtacgac catgccctct tgatttccag ctgggaaatt ggcgagtgga   120

ggaacgcccc ggcatttacg aaacgagcat aatgtaaacc tttacggttt taaaagctct   180

atagttgggc ctaggcttta gagttttttc ttttgttaag gctttgtgtc ttttgttttt   240

gaatttataa tacaaggatc tttcttcatc tgttcctacg tctctaccca ttctcatcca   300

tttgcatgtt tacttcttta tttctgaaac ggcagatccg atgacgagtc ccccgaaggt   360

actaatacct gtgacccgcc tatcaacttc gagcaagaaa cgaatcanac ggaagatg   418

<210>   17352
<211>   421
<212>   DNA
<213>   Glycine max

<400>   17352

ctaccaagtt atcttgagcc cttcttcatc aagcataggt atttaacctc cattttcaac   60

tctaagcttg attttcattt cattttcttg ctctattctc acatgtagtt tctaaatctt   120

atttttgcac tcttgaaggt tggaaacttg aatctaaact ccgccattct tccctctaaa   180

tttcatggag actacaagag gtagggaggg gtctccatct cttgaaccct atgtttgatg   240

ttaaacttcc ttgaacatgt tgctgtcttg aaattcttgt gcttgcttcc ctattatgga   300

tctatgtgtt gagctatttt acttgagttt tttaagccaa aaatgagttc tatgaatgtt   360

agaacctaag gttagcctta tatttcactt aaattggatt ttcttgcaaa agttatgaat   420

a   421

<210>   17353
<211>   381
<212>   DNA
<213>   Glycine max

<400>   17353

agcttgtaat cgattaacgt aattgtgtaa tcgattacca gacataaaaa attcaaattt   60

caagtctaaa gagtcacaaa tcttcagaaa ctaactgtgt aatcgattac cacttttatg   120

taattgatta ccagtaagga attttgaaa ataacttcca agagtcacaa ctgttcaaga   180

aatttgttat gaccatctaa ggcctataaa taggtgattt gggatacaaa attttttaga   240

gtgtttctga acaaaattgt cttatcctct caaaaccaaa ttgtcttatc actctcaaaa   300

7276

tattccttgg ccaaacactt gcaaattcaa taaggaatct tgagggagct tcacattgta   360

atatccttct cttaaagaga g   381

<210>   17354
<211>   422
<212>   DNA
<213>   Glycine max

<400>   17354

tgtcccaatt gagccagttt attcctcttg ttgatgcacc ttttgatccc caccaaaata   60

aattcagcat catttaaatc tcatcctcta gtgtggttgg aagcaagtgg atactcatgc   120

aatatgaagg gatttcctaa ttagaagttc cttattacta gctttggaaa gatactttct   180

cgagtagtga ttgatgcatt ccaaaatttg atcctttaga caactgaaaa tttctttatt   240

tcatttgcct atgatagaag ggaggcctaa gtattttcta gaccctatga ttgtagaggc   300

acccaaaaga aacatgattg tttgcgtcaa atattgttga gtgttggtgc tgaaaaaatt   360

ttatgacttg tctaaattaa tcatttggtc aaaagccctt ccataggtat ctaggaattg   420

ag   422

<210>   17355
<211>   382
<212>   DNA
<213>   Glycine max

<400>   17355

agctttcatc cgttcttcga cgctcttcat tcgttcttca tcgttcttcg atcttcaacg   60

ggtaagtacc tcgaaccaag cttttcgatt cattctatgc acccgtagtg gtccacattg   120

tgttccgtgc attttattc tcgttttgtt tacttttat accccctgtt gacgtgctta   180

agccattta cttaagtcat ttctcgctta acttaaaaat aaaataagtt tccaccgaac   240

atttgaattg cattatccgt taacttcggt taaaatcaat tccgaccgtt cggtcgtgcc   300

gtaaccacgt tggaaatcaa aaagaggtag aaaataatat aataatcaaa aagacatctt   360

ttagtgaaat aaagcggaca at   382

<210>   17356
<211>   420
<212>   DNA

<213>   Glycine max

<400>   17356

tttgttttca attacgagcg tcctgatata ttacggtatc ttttcggaca tccgagtcaa   60

aagtgattgt cgttagaatt tgctcagagc ttctgtcttc aattacgagc gtctccatgt   120

attacgggac tcaatcggac atccgagtaa aaagatattg tcgtttgatt cttctcagag   180

cttcaatttt caattacgag agtctcgata tactacggga cacaatcgga catccgagtc   240

agaagttatt gtcgtttgaa ttggctcaga gcttctgttt tcaattacga gcatctcgat   300

ttaatacggg acacaatcgg acatccgagt caaaagttat tgtccgttgg atttgctcag   360

agcttctgtt ttcaattacg agcgtctcga tatattaccg gactcaatcg gacatccgag   420

<210>   17357
<211>   374
<212>   DNA
<213>   Glycine max

<400>   17357

agcttgcctg aaactatatg agatcccttt gtcgttgcct tccaacgagg gtgaagctta   60

aggagaaccc aatctcctat ctggtagttc acttcacgac gtttcccatc agcttggctt   120

ttcatagcag cttgttcctt agaagcttat ttcgaatagc ttggaaagtg ttatccctat   180

cagttaacat ctcttcaacg gcctcaatgt tcgaagaccc tgtaatatat tcaggaaagt   240

taaagggttt tcggccaaag gtgacaccat acggattggc tccagttccc gcattccatg   300

aagtattatg ggaccattcg acccacggga ggagcttccc ccccatgctt ggccgacgat   360

ggatgaaggc tcgc   374

<210>   17358
<211>   422
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17358

tctaaactnt atacaagaac gaagctctga taccacttgt tagacaagtg gcctcagata   60

tcttaattag ggggggtcga attaagatat tgcaaactat ttccccaatt aaaaatctat   120

ttcaatttca atgcaagtta caagttccct taaaatgaac tcttaaataa tgattcaaat   180

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agaacaatct gaatataaat gtaaagcaat aataaataaa agagtttaag ggaagagaaa    240

gtgcaaactc atatttatac tggttcgacc acacccttgt gcctacgtcc agtccccaag    300

caacccgctt gagagtttca ctatcttgta aaatcccttt acaagttctg agcacacaag    360

gacaatcctt cctttgtgtt catatttttt tacaacaaga gaccctcggt ctctcaatcc    420

ct                                                                   422


<210>      17359
<211>      362
<212>      DNA
<213>      Glycine max

<400>      17359

tgcttccatt ttcaattaca agcgactcga gatattacgg gactcaatcg gacattcgag     60

taaaaagtca ttgttatttg aatatgttca cagctactgt attcaatttt gagcgtcatg    120

atatattttg ggactcaatc ggacatccgt gctaaaagtt attgtcgatt gcatttgcta    180

cgaggcttcg ttttcaatta cgagcgtctc gagatattac gaaactcaat ccaacctccg    240

agctaaaagt tattgccgat ggcatttgct acaagcttgc gttatcaatt acgagcgcct    300

ctatatatta cgggacttaa tccgacctcc gagataaaag ttattgtcat ttgaaattgc    360

ta                                                                   362


<210>      17360
<211>      417
<212>      DNA
<213>      Glycine max

<400>      17360

tcattgccta acaagccaac ttacaacagc aagccttatg agactcagca taaggatgca     60

cagaccaaag ttgcgtatgt aaaaaaattg tatgaccaag tgaaggtgca aattgcaaag    120

aagaatgaaa gctatgccaa gcaagcccaa aagaaaagga aggaagtggt acttgaaccc    180

ggtgatgatc ttggacattt gaggacaaat gttttccaag aaggagggaa tgatgagaat    240

catgaaacag gccaaataca gtctaaaggc ccaagtggag aaggacgaag gcccaagtgg    300

agaaggacaa agccccgag tggagaagga tgaaggccca agtggagaag gatgaatgcc    360

cagaggcaga gacactatca agactattaa ttgatgctga aggccaagat taatttg      417
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7279

<210>   17361
<211>   379
<212>   DNA
<213>   Glycine max

<400>   17361

tttcttgcac tgcaagtctc ttagatcttg tagaaaagct agattgtaac ggaatctaat   60

tgggaatgaa aacataattt cagatgcaag aagctaaaac accaaatgag aacagtccaa   120

ctctagatat ctagcaaatc attcacatga tcatcatagc tattattttc catacaatct   180

ttatcttcat caatatccat ggcagtttct ctagattcca tcaagttcat tatcaaatta   240

agtttcttca agttatctag aggggcacca acaacaacac taacatcctt tcctacttga   300

accaagtttc attcggagta tccaaatcca aaccaaagtt atatgaaatt ccatcattat   360

tcctaatcta atcatcata   379

<210>   17362
<211>   417
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17362

ntaatatatc aacagactat gatataatat ataagactcc atggacttag tttaaaaatt   60

attagtatgt ataattaatt aaatagtaaa taattaatgt atttgatatg caagatggtt   120

gttatactgt tagttttttc ttttttttgaa acaaagagac tttattaccc ccttcaaata   180

ctagtcaata atacaagtag gatgtgtctc aaaatcttga aagctagtgt aacttctaga   240

agcccgagct aataagtgag ctattagatt tgtttgcctt ggagtgaagc aaactttgta   300

aagcagtgag gatttcaaca aggatttacc gtgccttatt atttctccaa acccggagct   360

atctatatgc tccttattga cactattcga tattctttgg cagttcactt caatttc   417

<210>   17363
<211>   379
<212>   DNA
<213>   Glycine max

<400>   17363

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tgctttgctt ttgctctcct acagattgag ataaatgaag aaaaattcaa agcttccctt    60

caccgatccg aatgactgag atgaatgaag aaaagtccaa agcttccttt ttcctcgcca   120

acaaactgag atgacggaag aaaagagttt agtccaaacc ttccatgttc ctctcccaca   180

aactgagaaa tattgtagca tgggagttgt tgcgactggt ttagacaatc ttaatgttgg   240

attttaaata acctctcccc ttgtaaaata aaagaaataa attatagatt tccatatgct   300

acgctgatga aattcactca acctttcatc ctttcgtaat ccataataaa cccaagaaac   360

aaattataaa ttagagaaa                                               379
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<210>      17364
<211>      418
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17364

tgcctcacag aggtccagga aggataaggc ggccgatgga actagttctg ctcctgagta    60

tgacagtcac cgctttagga gcgctgtaca ccagcagcgc ttcgaggcca tcaagggatg   120

gccatttctc cgggagcgac gcgtccagct caagacgtta aagaagcgct actaggaggc   180

aacctagtac cttttgaatc tatgcttgtt atttgatcac tttttatagt aggacgcacc   240

tagttgctca tgatcctggg aatttaaata aaacaagcgc aagctcgaaa ggtagtcata   300

cctcacaaaa tatatatatg tatgtttagg tagtgaaaat accttagata tgcatgtatg   360

taaacaaaaa aacacttcac aaaatatata tatatgtatg tntaggtaga aagatacc    418
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<210>      17365
<211>      329
<212>      DNA
<213>      Glycine max

<400>      17365

agcttgggtt taaactctct gtagttgctc tattgttgtt cttcagatta aaccaatgag    60

gaaggtgaaa ctgacgacga aggtgctttg agtttttttt ttcctttctt tcttttcatt   120

tgttcttgtt tgattttatg tgttggggtt tgatttcgac gatgcgatgt gttaggattg   180

ctgacgttgg tttttatttt gttccgacga ggaaggtgaa actgatgacg aagttgtgct   240

gaggtttatt ttggtttttc cttttgttct tttcgattgt tcttgtttga tgttatgtgt   300
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ggggatttga cttcgctggt gcagtgtgt

<210>   17366
<211>   406
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17366

tccatcagga agggtcgtcc ctgtgtggtt cagactttgt aaaaggagtt ttacaaagag   60

agtggaaaat ttcaagtggg ttgcttgagg actggacgta gacacgggaa gtggccgaac   120

cagtataaat caagtttgca ttccttcttt ccttaaactt cttttattta ttgctattta   180

tcttttgctt taaagaagtt tattttgaat tgtcttttga gtaattcatg ttaagggtgc   240

attgttaatc caaaaagaga gagtgaaagt ttaattgggg aatagtcttt gtattttaat   300

tcaacccccc accccttctt aagataactg aggccatttg tccaacatcc tattcttgat   360

aactcacttc tctctaanaa gacaaacttt ccggaatgat aaaatg   406

<210>   17367
<211>   377
<212>   DNA
<213>   Glycine max

<400>   17367

agcttatctg ctgttaccaa ccaatggcca ggagcatcat gtgggcctcg cacgacctca   60

gctgtctcca cgtatttaag tagtttaccg gcgcgaactg gcacaggagg accatctgga   120

taaactccag agttaagtgc agttggagcc tgttttggag gaccggtggt gccatgctga   180

gtgaacgaaa atgttgtgct caaatttgtg agaaaagatt ttcttgaagc ctctggtgca   240

gcagtccact ctgacttccg gatactgcaa ttgggtatat gagtaaagag aagccgtaga   300

tgaagcacat tccttggcca gctccctttg ctaaggagtt gtgcacctgt tacaatatat   360

acacctgcag aattaat   377

<210>   17368
<211>   417
<212>   DNA
<213>   Glycine max

<400>   17368

ctataaggaa catgctggag aggaattgaa gttggtgtgc ttccagaagt gatgccacgc   60

caactgaata ggccactatg tgatttcata tctagttaaa cacctcacat aaggatctaa   120

gcatcagttc actacttcag tctgcccatc tattagagga caataagcag tgctaatctt   180

caagagggta cctggtctct ggaacacttc cttgcaccag agactcatga aaagactgtc   240

gatgccagat actactgatg caagataacc atgcacactc accacttctt taatgaataa   300

ctcagctact ccctcagttg tataagggtg actccatgcc aaaaaatgag ctcacttagt   360

cagcctatcc actaccactg atatagtagc cttccctaga gctactggta agccttc   417

<210>   17369
<211>   378
<212>   DNA
<213>   Glycine max

<400>   17369

agcttccatc aagtggtaat cataaacaag agctgcaagt aggtgctcct taaacctcca   60

ttaatttttt gttttacctt ctcttccatt gttttttctt catttttcta catgtatctc   120

ctcaaatttc ttgtgctaag tgtttttaac atgattcttt agagtttcca ccgattaaac   180

ttggtataga agctagattt gattttctat ggttcaaatt tcttgatctt gttcttgaac   240

catgaattgt gttgagttta ggttcctttg agttttgtct tgttattttt ttgtggatga   300

atcctaaact ataaaattct tacaaaaata ttaaagtata agaaaacctc aaaaaaatct   360

atagtgattt gttcacct   378

<210>   17370
<211>   410
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17370

tctcaagcaa gcttccgtca tgtggtatta aaagcataag agcttcaagt aggtgctcct   60

taaacctcca ttaattttca aatttacctt ctcctacaat gttgtttctt catttttgta   120

catgtatttc cttgcatgtc ttgtgctaaa tgttgttaac atgattcttt agaatttcca   180

ccgattaaaa ttgctataga agctagattt gatttcctat ggttcaaatt tcttgttctt   240

```
gttcttgaac catgaattgt gttgagttta ggttcctttg agttttgtct tgctattttt   300

tgtggctgaa acttaaatca taaaattctt acaaaaaaat tgaagtagaa gaaaacctca   360

aaagtctaga gtgacatgtt cacctattgt agttntgtca tagaagtcat             410


<210>      17371
<211>      388
<212>      DNA
<213>      Glycine max

<400>      17371

agcttgtctg cctttccaac atcaagaacc aatgcttcca ctatagagcc actctccaaa    60

atagttccag ccactatgga atcatatcaa aatgagaatt ggtacttgca cttgataaga   120

accatccaaa catattagtt aataactaaa taccatgtgg gaaggagaaa aattacactg   180

ataattggca ataaaaccaa aaacatcatt ataatgttca aagcttataa caagtccaac   240

atcctcaaca gccttaactt tgccttttgc aaccatacca atgttaaatc cttcatccca   300

ctttgtatca gatgcaccag agccacagta ttccaacctt gcaatctaat tcaaagatgc   360

acacaagata agaagtaata gaaaaggg                                      388


<210>      17372
<211>      424
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17372

ntataaggag acattttggt agagatattg aagttggtat taatccagaa ttcagcccag    60

gccaagtagt taggccacta ttttagttta gttctagtta aacacctcaa ataaggttct   120

aagcatcagt tcactacttc agtctgccca tctatttgag gacaataggc agtgctcatc   180

ttcaattggg ttcctggtct cttgaacaat tccttccaaa agagactcat gaaaagtctg   240

tctctgtcag atactattga tgcaggaaaa ccatgcagtc tcaccacttc tttaatgaat   300

aactcagcta cttccttagt tgtataaggg tgacttaatg ccaaaaaatg agcttactta   360

gtcagcctat ccactaccac taatatagtg tccttccctt gagcttttgg taagcctcca   420

atga                                                               424
```

```
<210>      17373
<211>      383
<212>      DNA
<213>      Glycine max

<400>      17373

agcttgttcc atttggtcca ttgctgagaa gttatggtga tacaattgca actgcaaaaa      60

caatcggaca atattgggaa gaagatctat cctgcatgag ttggcttgat caacaacctc     120

atggttctgt cttgtatgtt gcctttggta gtttcactca ttttgaccaa aaccaattca     180

atgaactagc tcttggactt gacctcacca atagaccttt tctttgggtt gtgcatcaag     240

acaataagag ggtataccct aatgaattct ggcgtgtaa aggtaagatt gtgagttggg     300

ctcctcaaca aaaggtgcta agccaccctg ctatagcatg ttttgtcacc cattgtggtt     360

ggggacatgc tacgtgcacc cag                                            383


<210>      17374
<211>      422
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17374

ntgcagtaga tgccactcta ctctaaattt ttgaaagata tgttaacaag gaagcacaaa      60

tatattcatc aggaaaacat catagtggaa ggaaattgca gtgttgtgat ccagaaaatc     120

cttccaccca agcataaaga tcctgggagt gtaacaattc cttgttcaat tggagaagtc     180

aatgtgggaa aagctcttat tgacctagga gccaacatca atttgatgcc actctccatg     240

tgttgaagat tgggagagtt ggaaataatg cccactcgaa tgactttaca attagctgac     300

cgctccatta ccaggccata tagagtaatt gaagatgttt tggtcagagt aaaatatttt     360

atcttcccag cagactttgt ggtaatggat atctctgaag atactgacat ccctgtaata     420

tt                                                                  422


<210>      17375
<211>      384
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
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<400>   17375

agcttggttc gaggtactta cccgttgaag atcgaagaac gatgaagaac gaatgaagaa   60

cggttgaaac ctttgcgaga ttcctcacgg aaaacgttac ggaaacgttt cggaagtgcc   120

tcggcttaga ttttcttcac ggaaacaatt tttccaagca aattcgaagg agagagaagt   180

gcctaagggg ctggacccct ttcttcttca tttcctcccc tatttatagc aaaatagggg   240

aggtggttgc cgcccagctc gcccaggcga gctcagctcg cccaggcgag cagggttgct   300

tcctccagaa gcaaccgcct tctggaggaa tattccagag ggcccaagtg ggcctgggtg   360

ctatttgcac ccccattntt acta   384

<210>   17376
<211>   419
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17376

tggttcgagg tacttacccg ttgaagatcg aagaactatg attaacgaat gaagaacgtc   60

gaagaacggt tgaaaccttt gcgagattcc tcacgaaaaa cgttacggaa acgattcgga   120

agcgcctcgg cttagatttt cttcacggaa acaatttttc caagcaaatt cgaaagagag   180

aaaagtgcct aaggggctgg accttttttc ttcttgcatt cctcccctat ttatagcaaa   240

atagggagg tggttgccgc ccagctcgcc caggcgagct cagctcgccc aggcgagcag   300

ggttgcttcc tccagaagca accgccttct ggaggaatct tctggagggc ccaaatgggc   360

ctgggtgcta tntgcacccc cattttact aagtacaccc ccctctgctg ttttttttg   419

<210>   17377
<211>   386
<212>   DNA
<213>   Glycine max

<400>   17377

agcttcttta gtagcgtata ttattactta caaaatgatt tatcaaagaa tcactaataa   60

aaattgaaat tgatgtttga ttcttctagt ccaaaaatta gaacttggga ctattttcca   120

attaattgtc ggactggctc ctccgacttt aagtcaataa acagaataca ttatcgtttt   180

atattaagta ggtaaatttt aaggatgaaa atcgaacttg aattgaacta atattcttaa   240

```
agattaatta caacgaatga agtttttata tgtcaaatga gtttcagttc agatctaaat    300

aaaagagtct gcaagatttt taactttta atttgaatta cacacacatc atttataact     360

cattccaaac tcaacattac acacat                                         386


<210>        17378
<211>        423
<212>        DNA
<213>        Glycine max

<400>        17378

tgcttaatca atactatgat agattgatga tggctaacca agttatccta ctatggtagt     60

atgtgcttta acacaatgtt aggaaatcca aaattgacca tattgcctac aagcttttga    120

tcaagtaacc ccaatgacta agatggaaat gtattgtgat tagtgattac acccttaatt    180

aacttaatag tttattagtt tatttattc ccatgcaata attcatttt agaactacga      240

tgttggggtc ttattttcta aagtggtcta gccttaaata actgaatttt agacctttgc    300

tcatatacca ttaattcatt actatttaaa gttcatatga ttttatctat ttaaatgtga    360

tatttatgtt actcttatat ttatattgtt gactggttga tcaaggcatt atatatcatg    420

att                                                                  423


<210>        17379
<211>        378
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        17379

agcttctcaa tcctttttcc tatttttttt cctgtctttt ttgttgggtt gtatgtaaca     60

aaaactatta tttgtgatta tatatttata tatttattgc aatgtgttat ctaatatatc    120

taatgtaaag gagtagtata tggagaaaag atgtagattt gaccgctatg agagagagaa    180

aacaaataaa aaactctctc tggtattttt tgattattat aaagatttgg gacttgaaaa    240

aaaatctaaa cacaaaataa catgtagatt tgattgcttt gagagagaga ataaaataac    300

aaactctttc tatacccaac gatagaagac tagactagga aagttacaca gtanagcaaa    360

acattcttag agagaacg                                                  378
```

<210> 17380
<211> 406
<212> DNA
<213> Glycine max

<400> 17380

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tgattcatga ttcaattcat gtatctttcc attaacaacc gaaatatcac taccaccaac   60

agctctcttg atggagcttg ggtatttcat taactgacca ataccaaaac cagaatttat  120

tttaacacca gagtctttag caaagttcac cccctttatca ttgttcaaac atttattggt  180

ccttatgccc gaattggttg attgtcttcc tgtgtggccg taatcagaat acagtttctt  240

gggcatgata gggctgccat cattccacaa attttcacta gttttgtct ttcccccata  300

ttgattatca aattgcagaa atggtgaaaa ggataaaccc ttggccacat ttttagtttc  360

tgatctagct ctagcagaag cattaaccac agcagacata tatttc                406
```

<210> 17381
<211> 387
<212> DNA
<213> Glycine max

<400> 17381

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tatcttatgc tataaacatt tataatagac cccctcaaca acaaaaccaa cgacaacaga   60

ataattatga tctttcaagc aatagataca atccaggttg gagaaatcat ccaaatctga  120

gatgggcaag tccttcacat actacaacat cctgcccta ctttgcaaaa tgttgttggt  180

ccaagcaagc catatgttcc tcctccaata cagcaacaac aacaacagta gcagcagtca  240

caacaaagac aacaagcaac gaggctcctc ctcaaccttc cttataagag ttagtgaggc  300

taatgaccat ccagaatatg caattttagc aagagacaag atcctccatt catagtttga  360

cagatcacat ggtgcagatg gctactt                                      387
```

<210> 17382
<211> 417
<212> DNA
<213> Glycine max

<400> 17382

```
tgccatgtcg tcgtcgttct gacctaaacc tcttcttggc ttgtacccaa gcctcaacat   60
```

```
tacacgggct accatcaatg cagcactgga tgaacggggt tacactgggg gagactcgat   120

gtcgcaacct acccttcagc gggagggcga cgcgagactc acgggtgcat cttccaagga   180

aggaaaacac gcggagttgc caccaacgtt tattcgagga aaacgtcgga aaaaaccaga   240

aaaggcgtgg tctacgaact ttaagtgtga aaggttcggg agttgtattt atgcacggtg   300

aaggtactag caccccacgc gtacgtcaca aggtacgaca gcctttaatc aagtgtgcaa   360

atatgacttc aatttggttt atttcccctt tttaggcttt tatgtcttct tatgctt      417
```

```
<210>       17383
<211>       373
<212>       DNA
<213>       Glycine max

<400>       17383
```

```
agcttgttga ttatggggta tccatcacat gtggtactat gtggcggtcg ggtgatggtg    60

caagacaatt ctccacatcc acaaatcaca cataaaccca ccatcccctg ttgtccacct   120

ccaactgagc tcctgtactc ccacgtagcc cttatcctcg ttcctctcaa cgccgggtcc   180

ccatcaatcc tctcaagctt ccacaatatc caagtaattc atcatccaat cgtcatgaac   240

taacacagcc aagaaaacag ggcagaggca gaaaactctg cccaaaacac aaaccaaaat   300

cacagctttc cttacttaaa gaccccagta acatttcctt cgttccaatt cgttcaccgt   360

tggatcgact cga                                                      373
```

```
<210>       17384
<211>       422
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       17384
```

```
tggaattgca tttgggcacc tattttgaat ctcctatgct gtccctatat acataaaaca    60

gtcccacaat cccattttta caaaatcaca ttcacacccc attggggcat ttcaccgagc   120

acttggtggg cgcacgtttg gtcataaatt gcaagagaat gggggcaatg tggcaggccc   180

cattgcttca gcatacaaca taggcctaag gccttctcac acaaatcctc aactcaacaa   240

aacaagcata aaaacaaccc aaaactgccc cacaaatata agtacgttct cacaatttag   300

agcaccaaaa gatgaagaaa atacaccaat gggaagctaa aaaactcaag gattgaatac   360
```

7289

```
ttacttgttg gagtgaatag aaataccaaa aagaaagaan aatgcaacca aaagtgactt   420

gg                                                                  422


<210>      17385
<211>      382
<212>      DNA
<213>      Glycine max

<400>      17385

tgcttgcata aacattatat aatcatcaat ttgtcaaagc taaattcatt caatcgccaa    60

ataaggcagg caaggaaata aaaatggaat ctaaattcta aatagccctt gctaattaat   120

atactacaat catacgtaac taaacaccat gctacagaaa atagacattt gtctacttcc   180

aaggaagatg aggtgaagat aagagctaag ttgatatttc atatgagaaa tcccaagtat   240

tggtatgatg gcctctcttg catagcattc attttccttc acatattcca gaaattgaaa   300

caaagcattt tcttactgta aattaaaatg tggtcagtct actcaaattg gtgcatacct   360

tcgatcattg gttttgtcag ct                                           382


<210>      17386
<211>      422
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17386

tcgcctcctg cgggtcccac catctacacc gtccatttgc tccctcaaca acccaagaat    60

ggtactcctg gcctccctct gagtccgcag cgattcctgc aacgccacac cgagttgact   120

catatcgaac caaaaaaaga gttacgaatt gaagaagtga tgagggacgc gagtagtggt   180

aggctagggc cacagagatc tcgtgagctg gaagagcatt taaacagaaa acgacttctt   240

aaacaagaat atatatatat atataaaatt aatgtatttа aaaattataa aaaaataaac   300

aatttttta aaaaatctt ataattatcg atggagaata aagtaatttg ctaaggatca   360

tctattcata atattaagtg ctacattntc atagtttagt aattaatttg aacacgtatc   420

ag                                                                  422


<210>      17387
```

7290

<211>   382
<212>   DNA
<213>   Glycine max

<400>   17387

agcttttggc atcatataaa atttatggtg atcaacaatc acatcacact tgcttttcat   60

gggttgtgtt gtggtgatca caccattatc tatgggtttt ttaactttta ttttagtaat   120

tctactaaaa ttataacatg gtattttttt agaacttgca ttttagttta tttattatac   180

aggataaata tatattttat aaattaaaat tcatgattaa taaatacttt taatatataa   240

attatattat aattaaatcc aagataaata aatatatata caaatatata aattatattt   300

taaatcaaca atgaacaatt tagactgtgc atggtgtaag gttattttta attattaata   360

atttattttta aaaaaattag ag   382

<210>   17388
<211>   419
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17388

ntagcacgat tgtgaaatga aattatgctt attttatcat taaaactcaa ttaccatcgt   60

tcatttttat atttccctcc ttttaatcta ccaaaatggt actgtaattt tttatttacc   120

cagtctggga tttgtgcgcg aaaacattag gtttgtgaat atgaatacaa aaattacatt   180

gggatatatc tttaatcgta ttcatatgcc tactaccaac cagctctttc ttggacttgg   240

gcttaattct gatggaacca ttaaggtcaa cgactcattg attctgatga aattaattag   300

gtaaagaata ttagttagga aaatgctaat attgaaatat taaagatatt tttttatgaa   360

aaaagtatta tcaacatacc cttatcaagt ggttaacagg tctaaatatg aactgaatg   419

<210>   17389
<211>   379
<212>   DNA
<213>   Glycine max

<400>   17389

agtttataaa agtccttctg attcaattta tgcattccta actgtatgcc atgagatgaa   60

gtgcaaaggt tggacctcat gttagttgtt aattattgat tagtttaaac acttgagctt   120

```
gagtgaaaca gtgactatga ggcactggtt aggcatcctt ccatgaaatc tgtctgctga   180

ttagtttcat tcagttgtgt tgcttaataa aaatgctctt atctctcaaa atctgcatgt   240

cttgtgaaaa accattgatt gagtcattgt atagatttct tatcatatga ttaatgtttt   300

ggaagcaaac acccttgta aataatcact gcattatttt tgcaattgag gacaagtgag    360

ttgttcttta tttgcttga                                                379


<210>      17390
<211>      408
<212>      DNA
<213>      Glycine max

<400>      17390

tgtgtgtaaa aaaaaaactt gaatttcaaa gttaggctaa gcgcacggtg ccactaagcg    60

agcatcttcg aaaaccaaac gtcgcttcga gaaacaaaa tggcttatgt gagtgtaatt    120

gcagttacac tcacatttgt tggaaactgc tgaactgcct gcatcttctc tctcgcactc   180

attttactgc attttcgcct tcttttgcat caaagcatca acgatacaag taagttcctt   240

actcccttca tttttttttt gttgaacctt agggtagaaa accatagatt ttagttttca   300

gtctttaggg ttttcataat tttagagtag gtaaaaaatt aggacttttc atatgattgt   360

gttgtgtaga tattttcaat tgtcttgcat gtttgataat gccttta               408


<210>      17391
<211>      377
<212>      DNA
<213>      Glycine max

<400>      17391

agctttgagc aaattcaaac gacaataaca tattactcgg atgtccgatt gtgtcccgta    60

gtatatcgag acactcaaaa ttcagaatag aaggtctgag taaaatgaaa cgacaataac   120

tttttactcg gatgtccgat tgagtctcgt aatatatcga gatgctcgaa attgaaaacg   180

aaagctcgta gcaaatgcaa accacaataa cttttaactt ggatgtccga ttgtgtcccg   240

taatatatcg agatgctcca aattgaaaac agaagctctg accaaaatct aacgacaata   300

acattttact cggatgtcca aatgaatccc gtaatatatc gagatgctcg taattgaaaa   360

cggaagctct gagcaaa                                                  377
```

7292

<210>   17392
<211>   403
<212>   DNA
<213>   Glycine max

<400>   17392

tattgtcgtt tgaatatgct tagaccttat gttttttatt tcgagcgcca cgatatagta   60

cgggacacaa tcggacatcc gagtaaaaag gtatagtttt ttgaatttcc tcagagcatc   120

agttttcaat ttcgagtgtc tccatatatt acaggactca atcagacatc cgagttaaaa   180

gttattgtcg tttgaatatg ctacgagctt ctgttttcaa ttgcgagcgt ctagatatac   240

taagggacac aatcgtccat ccgagaaaaa agtgaatgtc gtttgaattt gcacagagct   300

tctgatttca atttcgagcg tgtcaatata ctacgggact cgatcggaca tccgagttaa   360

gagttattat ggtttgaatt ttctaggacc tactattatc aat   403

<210>   17393
<211>   375
<212>   DNA
<213>   Glycine max

<400>   17393

tgctgctaca agtttatgta taatctaaat ttagcatatg aagaacctga tttcagtttt   60

ttcttctccc aaaggtgctt ctggagaaat ttatccaaac aagtatcacc ttgataattt   120

ggttttaagt gaaaatgtta ctcagttaag tcaaattggg ggggggggatt attatacagg   180

acaaatatat attttataaa ttaaaattca tgattaataa atacttttaa tatataaatc   240

atattataat taaatccaag ataaataaat atatatacaa acgtatgaat tatattttaa   300

atcaacaatg aacaattcag actgtgcatg gtgtaagggt attcttaatt attaataatc   360

tattttaaaa aaatt   375

<210>   17394
<211>   406
<212>   DNA
<213>   Glycine max

<400>   17394

tttcagcacg ggtttggtgc ctatatttat ctagttctag tgttaaatta cttaaaaata   60

7293

tttcacaagt gacttgtttg agttttgttg gggtaaacat gttttgaaat gagcttgatt 120

tgtgtgtatg atgacgttgt atcaacaata tactgattat ttattcctgt atagtaagat 180

ttgaagttat ttgagaatga gattatccta ttcaaattga tagatattgt atcgaattgt 240

atgaattgaa tagggaattt taagattcta acaagtcatt tgtcagcttt ttgtgttttt 300

gttcgtggcg atatgtttcc catggttatt gtatatgaga aagtggttga ataattgaat 360

agattgttaa tttggtccct aattgataat cgtttgttaa gttgct 406

<210>   17395
<211>   377
<212>   DNA
<213>   Glycine max

<400>   17395

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gcaaaagatc aagaggaatt agtgggttaa aaccataaac aacttctaaa ggagaacaat 120

tagtggtgct atgaacaact ctattgtaag caaattcaac atggggtaaa caagcttccc 180

aagttttaa gttattcctc aaaactgtcc taagcaaagt tcccaaagtc ctattaacaa 240

cttccgtttg cccatcggtt tgtgggtgac aagtggttga aaataacaat ttagtgccca 300

acttgcttca caaagtcctc caaaaacgca gatcatgaag cctaggtata ggatgcgtat 360

acttaatggc gatgtta 377

<210>   17396
<211>   283
<212>   DNA
<213>   Glycine max

<400>   17396

aagcaggagg gccacaataa acaaatataa aaagaggcca aacaaatcag gaaaaccgaa 60

gaaactgaca agccagaaat catggtcaaa ggagagcaac agagcgacag cgaaagcccc 120

aaaccccaaa acgaagatgg cacagacgga actactgcac gcgaggcgag gaacaacaac 180

atctgactct gcgtgaggct ccgaaggcag aaatccacca acgggggaca aacgaatccc 240

tcaagcatca gacaccggaa aagaactcga tactcagcga cag 283

7294

<210> 17397
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17397

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attccagcag ccaaggaccc ctttggtctc tttgttagga ctngaaatgg tttgggcaca    60

tgaattaaca aatataatgg ttgtttttaaa tttcataaaa actctagtgc gattttttaa   120

tattctgtct ttcacattaa agatctatag ggtctggttt gataaacttc ttcactccat   180

aataaatgtt aaaaggataa atttcttcta ggagaaaaaa ttacaagaaa aaaaatgaaa   240

taagttgttc aatcgtttta atgttttatt gatattgtaa aatgacaatc aaaatggaac   300

aaaagaattt actaaaacgt caaacaaaac aagacggagg agggagtaca tataaaatgg   360

aatattacat gatgcagaat g                                             381
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<210> 17398
<211> 342
<212> DNA
<213> Glycine max

<400> 17398

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tcaggatttc aaaagactgc tctaacagcc tactggtatg acttatcacc atatattgca    60

tgatcgatca tgttttgatt tttgactccc ttccatgtga agatgccttt gctattgaag   120

gaggagaagc tacagagctt aagttctcac tgcttatgag aaactgctga ggggcaccgg   180

aatatttact tgaaagctgc caagaattac ttggaaaaga caccaaatga atcttatgta   240

gaattcttat gacttctgca ggtgctattt aattttcaga tgatgcattt gtgacgatgc   300

tagcacgcat gatcgcaatg ttggttctat tgatatagag at                      342
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<210> 17399
<211> 298
<212> DNA
<213> Glycine max

<400> 17399

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tcaagctgga cagtgtaggt gacatagcga acaacatcat cttttaggtt cattttttgg    60

cagcgaaggc gcggggaggt caatcatgca cacgcgtgaa cgacgtggtg tcgcacgcct   120
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gactttattc ctcctcgaga gtgacttggg atggtttgca cccacctatt gttgaagcat   180

actcctcaca ccctatccat gccaccatga ctctgggaag cataccctca ttattaatga   240

cattatgacc gtggattgga gggcctacgt ccttagcttg aacaacatca tactattg   298

<210>   17400
<211>   532
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17400

caccccaacg ccancacaca gaacgagaca accgaatgac tagcgcacga aacacatcnn   60

nnnnnnncna aggcagagnn gaatgatgcg tcgctagacn ccgcgannna nacnagnncc   120

cggggagncg anagacgaga cccgaccgca cgcaatcatt ttgagcgaga cgagggcagc   180

acagggagag aggagaccac cngccaccac aacaagggcg gcccacaaaa ccgcaaagag   240

aacaaggcaa aaacgaacgg ggacgagaaa gacagggagg acacccaaaa cagaaggacc   300

aacaaggaaa gcacgaccac cagcctgaaa tgccagccca ccagaagaga ccaaaaccag   360

agacagccca agggagaccg tagatganga acaagccgag caaacataca gagacgcgcc   420

caaaacggta gcactaggac gccagtcaag aaggcacggc acaaccaaga ctgggaaaac   480

tcgagccacc gaaaccgcac aactcgcaaa aacaaggcag agcaggccga cg   532

<210>   17401
<211>   295
<212>   DNA
<213>   Glycine max

<400>   17401

tttctttcta tattatgcct atgaagaaat tgagttgtgg tgctgagttg tggccggact   60

gtggaattac aataagtact tacgcgctcc tttatttttt tacttcagac aattgagcat   120

aagaaaacct accttgtaag tatccatgcc ttaagcaaca tacacactac tttcgatttc   180

taggttgaaa tacaggctgc tgatagcttt ggcacactgt cttcttatct ccaccgtgtc   240

ttgtatactc tgaatttttc actgaaatgt taactggata aaatagacat ctgga   295

<210>   17402
<211>   606

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17402

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antaccanag tagctncaca gntcattata ntagcatgca aagacgtnta tggtgggtag   120

ccntagaggg ggatacgagg acngattgct cncactngta tgattactca taggaanaga   180

agagaccgtg tcgagtgcat cgnagacact tgatgtcgtc gatcgtatag tagtctcttc   240

gacanagccg tgatcttata gtatgctcta ctctcctcat atancatgta tgctagagac   300

agaatgctat gcgagaatca ttatgtcgat gatgagcata gcggtgtgat attacttgag   360

acttgaaact gctgtcaata tgtacaaagc tgttaacgat ggtggagtac tgtactaaat   420

aataatatag ttctagtaag atatgggtgt ttgcgtgtgt cagtaactgt accgactctc   480

acaagtatgg taacaccgtt cgaccgacta ttcggtcttc agagaatatg ctcacctaga   540

ccatgtacat tcgatatgcg agcacttata cggattaaaa taaggcaaat agtgagttct   600

gtactt   606

<210>   17403
<211>   376
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17403

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tagaagcatg tgtaacactt gttgtaactt tgatgaatga gagtcttgtg agacatactt   120

caaagttcca cttctctacc tcttttattc cttcaatttc gtgctccccc ctctctcttt   180

ctctccctct ttcttttcct ccattgaagc atcctctcca agcttcttat ccaaggctca   240

tcttggtggt gaagctcctt cttccatggc ttattcccta gtggatggtg cctcctctca   300

cctcttctcc tttgtcttcc gctgcatctc catggtggaa aatcaccatt aaaggacctc   360

attgaagctc aaagat   376

<210>   17404
<211>   384

<212>   DNA
<213>   Glycine max

<400>   17404

attcttggaa ggtagtcata cctcacaaaa tatatatata tatatatata tatatatata   60

tatatatata tatatataca tatatatata tatatatata tatatatata tgtttaggga   120

gagagatacc ttggatatgc gtgtgtgtag caaaaaaaat ctcacaaaat atatatatgt   180

gtgtttaggt agcgagacac cgtggatatg cgtgtatata gcaaaaatat ctcacaaaac   240

atatatacgt gtgtgtgggt agcgagatac gtgagacaca catgtatata gcaaaatacc   300

tcacaaagat atacgtgtgt gtaggtagaa aaacgcctcg tgaaaaaaaa gagagcgcgc   360

tagaagagaa ttagaagaaa aagt   384

<210>   17405
<211>   403
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17405

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ccctggagga ccgtttgagg tcatgtgtct tatagcaaaa ggggagagct ttctttcatt   120

gatagagttc acttacaaca acagttatca ctctaccata ggcatggctc cctatgaagc   180

tctgtatggt aaaaggtgta ggacacctct atgttggcta aagccctgag aagacctcac   240

cttaggactt gaagtggtac aacaaaccac cganaaagtc aagttgatcc atgaaaggat   300

gaggactgct cagagtatgt agataagtta tcacgattag aggatgaaag acttggaatt   360

cgaggatggc gatcatgtat tctagaaagt cactctgtgg act   403

<210>   17406
<211>   383
<212>   DNA
<213>   Glycine max

<400>   17406

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gatttgaaat aaagaagaaa aaggaggaat agatgggttt tgctcttgaa actagctttt   120

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taaaaggata tttttttcaaa gtgttctttt ttttttttgaa gggccacaaa atattatata    180

tatataatttt caaagaaaca tagcagcacc agaggtactg ctggtggttg atacatctga    240

gaacatagga aaataaaaag cccaaaaaac aaaactgaga aactcagata caccttttccc    300

atacataaca gaagaaattc agttagccaa agtatcgcac tatattggac gaccagtagt    360

ttaaggagtc actatagtgc ctg                                            383
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<210>   17407
<211>   409
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17407

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ctggtattgg cacagtcgag aaaatttaaa tctttcgtct ctaccccttg tctctcacta     60

tcccttttgtg tgtgagatat taagatctaa gggagcataa gatgcaaggt tgaatgtgat    120

tatactattc ttatgatcca tcataaagag aaaagtttat tccatatgaa gtgaaaagtt    180

gaatatccca tgaaacccca tataaactgc atccaaatga attgcagaaa ggaaatcagt    240

atgcaaacaa aattccccaa aagcactggt tctattatca gtaataaaca caagtaaaac    300

caactttcta aaatcaaaac ttgaaagata aaccaaaatc ccaattgcaa gatagcgcct    360

ataaacacna cctcaaagtc catagataaa tgcctagacc ttgccacat                409
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<210>   17408
<211>   384
<212>   DNA
<213>   Glycine max

<400>   17408

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ttcttaaaac cccttgttca ttactaaaca agttgaaatt aatcacaaac acaagcaagg     60

tatcctaact acacacaaga gataagaatg aaaaatagaa aagggaaaga aaaagctggg    120

ttgcctccca gtaagcgctc ttttaacatc aatagcttga cgcattatcc tgttatccag    180

gataaaaaaa agttcctact tcaaggacct tcttctcagg tctcctttcc tccatcacat    240

gcactttaag acagacattt tggcttggtg gatctttgtc ctcatggaac aattcaaagc    300

tgatcttcta tgcccatcta cagcatcttc tttcctatgt ctaccacaca gcttgcagta    360

gacatgaatg ggtggccaag aatg                                           384
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<210>   17409
<211>   431
<212>   DNA
<213>   Glycine max

<400>   17409

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caacagcaga ataattatga tctttcaagc aacacataca atccagcttg gagaaatcat   120

ccaaatctga gatggacaag tcctccacaa caacaacagc atgttccttc ttttcagaat   180

gctattggtc caagcaagct gtatgttcct cctccaatac aacaacaaca gtcacaacaa   240

agacaacaag caactgaggc tcctcctcaa ccttccatag aagagttagt gaggcaaatg   300

actatccaga acatgcaatt ttagcaagag acaagagcct ccattcagag tttgacaaat   360

caaatggggt agatggctac tcagatgaac caagctcagt cccaaaattc taaaaaattg   420

ccttcacaaa c   431

<210>   17410
<211>   380
<212>   DNA
<213>   Glycine max

<400>   17410

ttcttcacga tctcacacgt cgaactacat gtatccttca ttggaagaac taagagggga   60

catgcaaaat aaataactct gacactcaaa taagtacatg aatgagttga gtatgaaatt   120

gaaaagggtg aaataagatc tgatctttat aacgtgagat aggagtttcg agtccttgat   180

tgtaagagag ttattacagt gatgtaacaa ctctagataa ttcctaactt gtaaataata   240

tatagtagaa aaatcatagc ttgtaaataa tagttaatag ataattcatc acttatagat   300

tatccaatgg attatagata atccatttat tatagataat tcattactag tagataagta   360

agtacctgta acttgataaa   380

<210>   17411
<211>   413
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<400>   17411

tatgaaacct aaagaaaaca agaaataata tgtcttaata ttacaatnga tatgattttt   60

gaaagaaaa tattataaaa aaacaaaact aaccatgttg gatggcatgt gcttaaatct   120

gtaataacag tagtaaaaac aatcttcttt aaaagaccct tagacctcaa aattcgaagt   180

ggaacgtgct gcatcagtgg atgcacactg attattatat ctggctgata tttcattagg   240

cctttagcaa cctcgctgta aaaagagaaa aagatatttt aactgtgaca tttgatgtta   300

catcatattt gagaagagat acacatgcac aagaaagtat ttttctgaaa catggaatgc   360

agaaaaagtc aataagtttt gtctaatatt aacacaatgc acaacataca ttg   413

<210>   17412
<211>   377
<212>   DNA
<213>   Glycine max

<400>   17412

atcttatatc taatctggct aggaaccgtt gacagtgatg tggaagtcct ccttttacgg   60

acctagttat atatatgctt caattcatac tttcaaagtc aaaacagtaa cattaaagaa   120

tacattctcc ttaagcccag ttgcaccaaa taataggtag acaggcaaaa agtttcttaa   180

attacacaat atatagcagt tttggccata tgtatctttt atctctatac tccataaata   240

aaggcacgcc aatagttaat ataacaaaga gatcaaaaat taaaatctaa caactaagag   300

gtaaataagt gaggtttagt tatgaaggtg aaattagttc acgccaaaat tctaataatt   360

agaaaaacaa gacaagg   377

<210>   17413
<211>   406
<212>   DNA
<213>   Glycine max

<400>   17413

tagtgacata agccaaacac atggtattgg ctaatgtccc tatgaaagcc catccatgtc   60

ccaggttcca agcaaacaca gccattcccc accaccacac ctgctctcca aagtaatttg   120

gatgccgaga ataataccac aaccctttgt caagaatagg gacctccttg ttctttctac   180

tcacaaagtt gtaaagctga gtatcagcaa tgtatgccgt gacaatgcca gatacacaca   240

7301

caactatggc taccaagtcc cacatgctca gaggctggtt caccgagtgg atgacataga   300

acggaagaga caatccaatc agaaacacct gcaaggttgt cttgatgtaa attaaaagta   360

aaagcaaggg aaaatgatga ctaagagtaa ccttaattac ctgctg   406

<210>   17414
<211>   381
<212>   DNA
<213>   Glycine max

<400>   17414

tgtttgcaag cttctgaaat cttggaattt aacataggag cattttgatt acaaatttac   60

aatctcgagg aatttactga ggtgaggatg atatatgcag tacgattcac ttgcaaaata   120

atctagatga aaacaaaaca tattggtcct aaaaactaaa ccatattgat tttctgttgt   180

gaatgcaatc aattgtttaa atatcattct tcttaatttt tttttatctt aaaattgcat   240

ggttactagt ctattttttt gaaaggctaa ggaaaatggt tactagtcta tttaagatta   300

ggagtttagg actgtcatat tttctagaat aacattttgc aattgctaaa ttccctgaag   360

caaaataggt gtttgaactt t   381

<210>   17415
<211>   421
<212>   DNA
<213>   Glycine max

<400>   17415

gctatcagga cctatgaaac tcagctgccc ccactaccag gcaagttagg tttctttctc   60

cagaagcaac cgccttctgg aggaagaatc tggaaagccc aagtgggctt gattgctatt   120

tgtaccccccc tttttactaa atgtacccct ctttaccttt tgtggtgatt cttttttccgt   180

aacgttacga aactttatga attttgtaac gatacttatt ttctttccgt aaggttacga   240

atccttacgg atcatgtatt gactcttttt tagctttcga agaagttacg gaaactcacg   300

gattgcgcaa caacacctcc ttttggtttt cgccacatta cagaatttca cggatcccgt   360

aaccctgttt cctttttgatt tccggcgcgt ctcacgactt acatattgtg caacaaaagg   420

g   421

<210>   17416

<211>   383
<212>   DNA
<213>   Glycine max

<400>   17416

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tattttatca atcaccggac aacaatgttt ttgttctcat caaaactact ttttattcat   120

tgaacgacat tgttggtaac ttggtttgtg cacatctgct tgtgaaaaag ttttcatttt   180

tatctaaccc ccttctagtg tgatatctat tatttcataa agcctctatc aagatccttg   240

aattttaagt tggacagctt gctaataatt tggctgaaag gattaccaaa aacatttcaa   300

ccttaactca agaaatccaa aaagtggtaa ctctaaggtg gtgggagatc cttgaatctc   360

ctatcacacg tcaaactaat gac   383

<210>   17417
<211>   411
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17417

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acgtgtcatc ttcatgttgg tgaatgcaca atcaccttgg aagatgttgc tcttcaactg   120

ggtttacgcg ttgatggaaa atcaattact agcccaacat attatgatta ggaacatatg   180

tgcacataat atataggtgt tgttccccccc atagaatgca ttaatgggat caacacttaa   240

actaaaatgg ttgaaagaaa acatgtttac tttccaagaa gaacccacac cacaataatg   300

agaaacccat tattgagcat atattttatg atcgatcggt agggtgtcga tgcctgacaa   360

gtcagcgaat agaattcacc taatgtatct acctctgtta gcagatcttg a   411

<210>   17418
<211>   381
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17418

agctttttcc agggccaaat tctcgtgcat gcagaggctt cttcaagaaa aactccaaac   60

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tcccttttgca aatctgattt caggcttaaa taggtggcct tgttcgtgct cgtgcgcata  120

gcgcacgtat ggaccgctta gtgcacgtta gtaatttttg gcttagcgca cttctctcgc  180

ttagcggatg agctaaagca gcgcgcttga tgacctggag cgatgcgctc agctaacctg  240

atagctcatc ttcttctgga ttcttcctcg cgcttagcca ctgagtgtca cgcttagcga  300

atgctcacta agccagcata ttggcttagc gagaaggtga naacaacact tttgccaatt  360

tgcctaatta acctaaaatt g                                           381
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<210>   17419
<211>   419
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17419

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agcttaaatg ttggttntgt atatcgattc ttccataatt acacgtcttt gttgtaaatn   60

ntgatacaga taccatgata cttgatattt taagtaaatt aacatttgga ttcaatcatg  120

catgtgtatt ttgttgtttg aaagttaacg attgcttcga atagagaggc aaaaattaaa  180

ttaatttgtt aatttatggt atattatgtt taatttgatt tgttgaggtg taaagtttaa  240

ctaaaatgat atttaaggat ggtaaagtgc cttttaacgt gcgattcgca ttcatatttt  300

taatcttaac atctataggc aaaaattaaa ttaatttgtg ccctattact atcctaaggc  360

ctaaatatgc tgctcaccca gaacaccggg tcccttgctt tcaagtttca agagtcaag   419
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<210>   17420
<211>   356
<212>   DNA
<213>   Glycine max

<400>   17420

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tgctttttatc ctaagagaag ggtctttgat attgcattgc tatgactttc taataaactt   60

ggtgaatgac caaaatgccc ctgttctttg ttactgaaaa gagtcaatgc aatgaaagca  120

cgcgcagtat gctaggggtg ttgtcgacat gaaaagtcaa acctcgccga ggcactcaat  180

tggctttgat ggaacagcaa gcaacgaggg gcatgcggca ttgaaataat gctgctatct  240

aattaatcaa atagaattaa aataataaac atgttgaaag ggatcatata ctacattact  300

agttattaag gttatacaca tacacacctc cataaggtag gttaagtaga tccgta      356
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<210>   17421
<211>   414
<212>   DNA
<213>   Glycine max

<400>   17421

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cgattgtata attggcccct caaaaaatta gttacacatt tatcttataa aatttaataa   120

ttttgacctt ttgttatttt gccatcaaat ttttaacata aaggactaat gtgatattta   180

agtgataaaa taacacgaat acattaatat tataaatgac atgatatttt aaatatagac   240

taatatgaca tggattgttc aaattgtgat cattgttact acgtcactaa actattagtg   300

caagtagcat atatattaga ttactagttt attttttata tcgcgtcaat gctatattat   360

tacttaaata tcatgtcaat aattgttaaa aatcactaac gtaaaaaat gtgg   414

<210>   17422
<211>   385
<212>   DNA
<213>   Glycine max

<400>   17422

ttgtatgatt atggggtacc catcacatgt ggtactaggt ggcggtcggg cgatgatgca   60

caacaagctt tccacatcca caatgcgcgc ataaacccac catccccttt tgcccacctc   120

caactgagct cacgtactcc cacgtagccc atatcctcgt ttctctcaac accgggtacc   180

catcaatcct cccaagcttc cacaacatcc aagcaaaaca acattcaaac agcacaagct   240

atcacagcca agcaaaacag agcaaaggca gaaaactctg ctcaacacat caaccaaaat   300

cacagctttt ctcacttaaa gaccacagta acaattcctt cgatccaatt cgttaaccgt   360

tggatcgact ccaaaatttt actgg   385

<210>   17423
<211>   313
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17423

tgattagaga aattggtgcg gcagcttcca tgtttatgtt ttcattctaa cantgncgag   60

ggccaccttt tcgtggcttt gggtactcaa tttcaacttn cattgaaatg taatgtaatt   120

ggatctatct tgatgtaatt acaacataaa aatgaatgtc atggattcaa gtgacgctcg   180

gtcaagaaat aaaagttgca ttcagtttac taaagaggtt tccctttatg agtatttaag   240

ttataacata agcacgaaat ggaggatatt tagagtgtac gctacaaatt tatcgatgac   300

actacaactt atg   313

<210>   17424
<211>   383
<212>   DNA
<213>   Glycine max

<400>   17424

ttcttccatc aatcatgaaa gtagttgctt gtaacaacaa ttacaaaaag attgatcata   60

tcgggttctt tattctttat ttgtctattt agtaggattt ctttgtaatt aataaattat   120

ccctttttaat ttatttgtct accaacattg aaatccttca ttcatggtta cactttgttt   180

agagattaag aaagagttta gatttagaaa tcttttgtgc aaaaagttaa actattttaa   240

taaagtgttc attcttcatt tgttttgacc tcttaattat tttttatcac tgcttaatat   300

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ctgtaaacat gatcgcttac ttgtcaaaga caacaaattg agtgtgcctt aatgatatag   300

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<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
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aaaacacaca agtatcagca aaatgaacat caaatgaaag caaagagttt tttttttttt   300

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tgccaagacc tggttagtac gaactttggg cttccttgcc aatatgagta tgttcctctc   180

aaagacttat gatttattaa ttaataactt gtttattaa aaatgattat agttataaaa   240

ctataaacaa ttgtatagaa aaggttattc taaagactta attcggtccc tgattataaa   300

tataacttgg ttttattaaa aatgagtttc tcagttatta aaaaatgtaa gtaagttatt   360

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cgcaaagaga ggcatcaacg cgcatagctg ataggaggaa tcaagaaggg aatctgtcat   180

gctggcatgc actcagggcg tcattagctt gctccgtgag tcgtttgtca ccttccaggc   240

ttagcgcgag tttcgcgctg agcgattatt cacttactcg caccaagcgc gagaatggca   300

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ttactaataa tatatagata tatatatcag ggtgttacac atcatatatt gagacgctcg   240

7308

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gaggaagttt tttgttttgg tgttgcctaa aaaatttaca acgtaggacg gctaggtttt 240

tccgtgcgag ctcaaccgag ggttcgttcc gaccgacact ggcatgttgt tcttctcatt 300

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<213>   Glycine max

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aaatgaaaaa gatgcacatg aagaacacga gggagagaaa aactccaaca tgaagatttc 180

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gaatggtaga agactaaggc agctaaagag cccaaaggga aaaagtaacg gatgtgggtc   180

ttatgccatc attttggaat gatactaggt acactataac ggccctaacc tttcgtaagt   240

gagttgaggt ttgtggataa agaataaaac aaacttctcg aggagtttca cctctgaagc   300

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tacccctgt tgacgtgctt aagccatttt acttaagtca tttctcgctt aacttaaaaa   180

taaaataaat ttccaccgaa cgtttgaatt gtattatcca ttaacttcgg ttaaaataaa   240

ttccgaccgt tcggtcgtgc cgtaaccacg ttggaaatca aaaagaggta aaaaataata   300

taataatcaa aaagacatct tttagtaaaa taaagcggaa aatcaatcgg acgttttctc   360

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accattaaag gacctcattg aagatcaaag atccagcctc catagaagct ccacaagcaa   180

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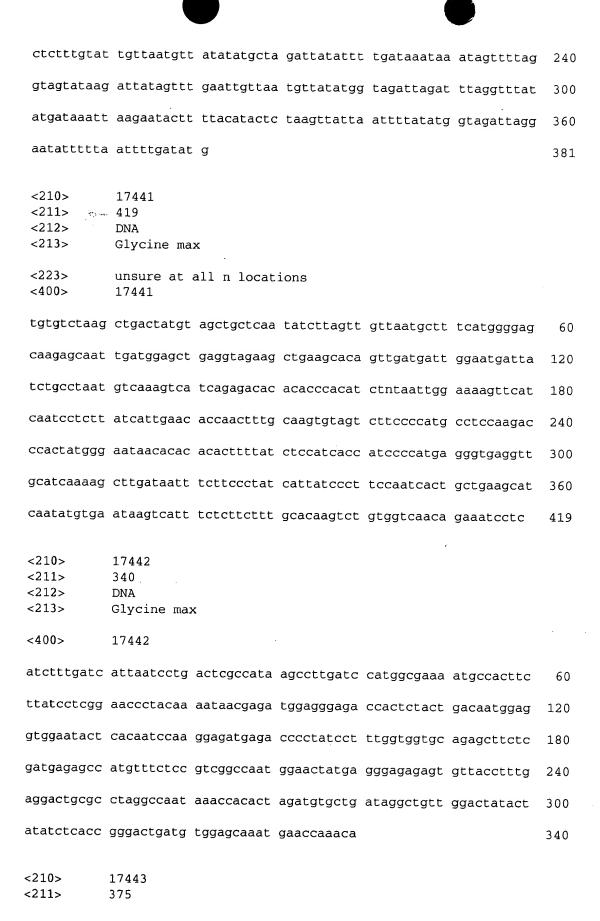catcctcagg aaaagcagtg gctaacttca tatattagta gaatgtatta gtacaaaaac    300

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<400>       17436

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cataacattt cacacggatg tccgattcgg ggacataact catctagacg ctcgaaattg    240

aacaacggaa gctctcgaga aattcgaatg gtcataagat ttcacacgaa tgttcgattc    300

ggggacataa tatatcgata cgctcgaaat tgaacaaccg aagctctcta gaaattcgaa    360

tggtcataac a                                                          371


<210>       17437
<211>       358
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       17437

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actacactag ctttgccatt ctatacttca tccgaatgaa atgttatgac cattcgaata    180

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catccgagtg aaatgttatg actattcgaa tttctcgaga gcttccggtg ttcaatatca    300

agcggctaga tgagttatgt ccccgaatct aacatctgtg tgaaaagata tgaccatt      358


<210>       17438
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<213>   Glycine max

<400>   17438

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acaattgtac ttcctatgtg gaatagaatg ctatatacct gcattgcttg accttcagac   240

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tctggtaatc gattaccaga gagtaaaaat tctttggtaa agggtttttt caaaaactca   240

tgtgctattc aaagttttga aaaacttttt aatacttatc ttgattgagt cttctcttta   300

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tgtttatatt ttgataaatg aataatttta ggtagtataa gataataatt ttgtataggg   180

7312

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tctgcctaat gtcaaagtca tcagagacac acacccacat ctntaattgg aaaagttcat   180

caatcctctt atcattgaac accaactttg caagtgtagt cttccccatg cctccaagac   240

ccactatggg aataacacac acacttttat ctccatcacc atccccatga gggtgaggtt   300

gcatcaaaag cttgataatt tcttccctat cattatccct tccaatcact gctgaagcat   360

caatatgtga ataagtcatt tctcttcttt gcacaagtct gtggtcaaca gaaatcctc   419

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<212>   DNA
<213>   Glycine max

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gtggaatact cacaatccaa ggagatgaga cccctatcct ttggtggtgc agagcttctc   180

gatgagagcc atgtttctcc gtcggccaat ggaactatga gggagagagt gttacctttg   240

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agacaatgga gccttgaagt tgctcaaggc tcaaacggat ccctatggat ggtttggcat   300

attacgggac tcaaggctac gttcgatctg cacagcataa gagatataat gcgctatgac   360

caacagcatg cacca                                                     375


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ttgattttaa gattcaagag aagatgaatt caagattcaa gagaagaaat caagaagact   180

tcacaaggga agtattgaaa agattttttca aaaaacaaac atagcacagt tttgtttttc   240

aaaagagttt ttctcaaaat tttctaagtt accagagttt ttactctcta gtaatcaatt   300

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<210>      17445
<211>      413
<212>      DNA
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<400>      17445

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aaagattgga cctcttgcta gtttttattg atgaatagct aaacacttg tgcttgaatg    120

aaacaaaagt tttgagactg tggtttaagc tgctttcctt gatatatgtc ttatgcctaa   180
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7314

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aaatttgggg gagttcttag tcgatgaata cgactaactt ttgtgtataa aacctgtgta   360

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<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
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tttccaagtt gttttgcttg accaaaagat acactttcaa gacaaaaaga acatttttaa   240

attaatgaaa ttcaaatagg atgttttttt taagggagaa atcaaactcc gatattaaaa   300

aatttataat aactcacttg ttacttaaca aattgagtta aatctcttta atatattntt   360

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aaagtgataa ctcttctaat gtttttcttg accagacatg aagagtcaat aaaagcaaga   300

ccttaacttg cattttgaat tacattttga atacattgat ttcaatcctt tacaacccCtt   360

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7315

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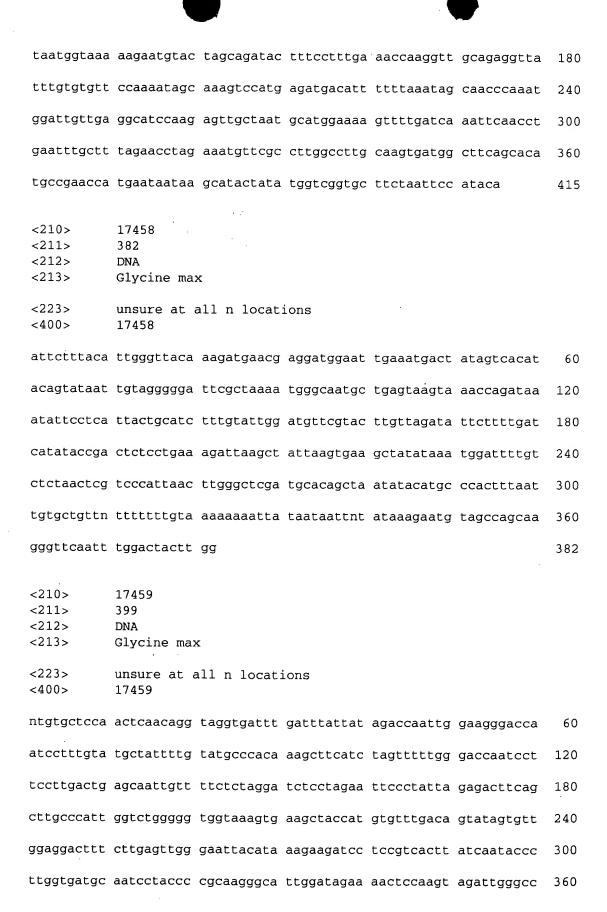ttattcttct tcaactgcac aaggctctta atatttgaag agtatccttg tggaaccttc     60

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<213>   Glycine max

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aaataggtgc agcagaattt tggctttgtg cagaaaaatg cttgtgtgtg gttggctgtg    180

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<213>   Glycine max

<223>   unsure at all n locations
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<223>   unsure at all n locations
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aactgtcttt gggcttggcg gccacgctca acaaagtact ttcgacacct actgtacatt   120

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ctgagaggtt ggttgccatg tggccatatc gatgtccttc tctatcataa gccatcgtcc   240

atttttcctt tgaaatgcga tcaatccatg ttgctatggc tggactcagt tgacgaaatg   300

tttctaaatt ttgataaaaa aaaaagtgct tgcaaggagt gtaggctgca taaaattagt   360

tatgaataac aattctaagt atatatgaaa gttaaataaa tgttaccat   409

<210>   17454
<211>   381
<212>   DNA
<213>   Glycine max

<400>   17454

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actaatgtaa cgacctgact catcgctaca atatcaccat tctaaatcgc gatcatttca   120

aattttaaat gaaaaatcca ttaattttct tatataaaaa aatgaaagtc atttttgtgt   180

tgacatacat tcaccaaaca acacacatta cttttcttat ataaaaaaat gaaagttatt   240

tttgtcttga catacattca ccaaacaaca cacattactt aagtggatac gtatatatta   300

gtatagtaac ttagtacaca tcattcacat aatggaaatt aaacttgttc atacatataa   360

ttcaaatatg cgatttacat c   381

<210>   17455

<211> 405
<212> DNA
<213> Glycine max

<400> 17455

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atgaacattt attttttgtc ccgagccact acaaaagcat acataataga tctgataacc   120

taagcttgat gtacagaagc ctcaaccacg aattatgtca tcgatgaaga atacatgcac   180

cactgtgact cctgtactat tcccaaacca gaagggtttg caattaccct cattgactga   240

cttttaaatg agatatgcta ggctctccat gtgcaagaca aagaggtacg ggggtgaagg   300

gtccccttgc ctcagtcccc atgtaggagc aagagaattg caattgatag ctaacgaagt   360

gctcatacaa ttagagagaa tatcagtcat ccaagaggga atctt   405

<210> 17456
<211> 384
<212> DNA
<213> Glycine max

<400> 17456

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ttctttttta tcaaagttag tttttcacaa caatttcaaa atattcttta tttaaaaaat   120

atgaaaaaaa ctttaattat ttgtaagaat atcctcataa tttagtatct tacttaagta   180

cataaatgaa tttataacta tatttttcct ctttcaataa aaatatattt tcttgaatgt   240

taattttcat catcataata ataatttata ggattaatta agttcttact cattcgactt   300

tttcatatta taatcttgtg tcccttacaa tattgttaac agcttttatc cttcattaag   360

ttttcgtcac tcacttttag tccc   384

<210> 17457
<211> 415
<212> DNA
<213> Glycine max

<400> 17457

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agatgaaaat ttgcagattt gcaaacattg cagaaaatct agatggaaag caaaggtaa   120

7319

taatggtaaa aagaatgtac tagcagatac tttcctttga aaccaaggtt gcagaggtta   180

tttgtgtgtt ccaaaatagc aaagtccatg agatgacatt ttttaaatag caacccaaat   240

ggattgttga ggcatccaag agttgctaat gcatggaaaa gttttgatca aattcaacct   300

gaatttgctt tagaacctag aaatgttcgc cttggccttg caagtgatgg cttcagcaca   360

tgccgaacca tgaataataa gcatactata tggtcggtgc ttctaattcc ataca   415

<210>   17458
<211>   382
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17458

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acagtataat tgtaggggga ttcgctaaaa tgggcaatgc tgagtaagta aaccagataa   120

atattcctca ttactgcatc tttgtattgg atgttcgtac ttgttagata ttcttttgat   180

catataccga ctctcctgaa agattaagct attaagtgaa gctatataaa tggattttgt   240

ctctaactcg tcccattaac ttgggctcga tgcacagcta atatacatgc ccactttaat   300

tgtgctgttn tttttttgta aaaaaaatta taataattnt ataaagaatg tagccagcaa   360

gggttcaatt tggactactt gg   382

<210>   17459
<211>   399
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17459

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atcctttgta tgctattttg tatgcccaca aagcttcatc tagtttttgg gaccaatcct   120

tccttgactg agcaattgtt ttctctagga tctcctagaa ttccctatta gagacttcag   180

cttgcccatt ggtctggggg tggtaaagtg aagctaccat gtgtttgaca gtatagtgtt   240

ggaggacttt cttgagttgg gaattacata aagaagatcc tccgtcactt atcaataccc   300

ttggtgatgc aatcctaccc cgcaagggca ttggatagaa aactccaagt agattgggcc   360

agatatgcaa gagaaggccc tatggttctt atgagcctt   399

<210>   17460
<211>   366
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17460

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ttaccctcgg aagcaaaaaa agaatagagg ggaaatttcc aatcaaagaa aaagagaagg   120

aaaatttcca atgaaagcca aaaaagaaaa gaaggaaaat tccccaatca aagagtggga   180

gaaagcaaaa agaaaagaaa ggaaaattcc caatcaaaga atgggagaaa gtaaaaaaag   240

gaagaagaag actgaaagaa agctcctgat caaggatcga aagataacat aagatatgtg   300

cagagaggtc tttggaccgg acaatatctg aacaatacag aattgccacc aaatgaacga   360

taaaag   366

<210>   17461
<211>   404
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17461

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gcattctact cggacgactg acaaaactgn ggcaaatgat gatggtgaga aaaaaggaga   120

aacccatgct gtgactgcca ttgctatact gcctagttta ccaccaaccc aacaatgtca   180

ttactcagcc aaattcgaac ctactcctta ctcaccaccc atctatccag aaaggccatc   240

cctcaatcaa ccacacagcc tgcataccgc acttccaatg acgataacca cctttagcac   300

agaccaatac aaataacacc aacagatagg aatgttgctg cacaagccta tagggttcac   360

cccaaattcc tgtgtcatat gcgaaacttg atcccatatc cact   404

<210>   17462
<211>   385
<212>   DNA
<213>   Glycine max

<400>   17462

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acctttaca ttcaaaaccg gaaagttaga ttcctaggca tgagtcatcc ttttggcact   120

ttagtctagc ttctacaaac tacccacaca ctcacaatgc gcacaattta tttcgcaagc   180

taagttcctc aaaatcatgc gcaaatgcaa ttgaggcatt tcaccgaaca cttggtgggc   240

gcatgtttaa gcatgaaaat caagggaatg ggggcaatgt ggcatgcccc attatctcat   300

aacgcaccct aggccgaagg ccatcccta caacccctca attcaacaaa acaagcaat   360

aattcaagga taaatccctc acgtt   385

<210>   17463
<211>   378
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17463

tctcccctat nttgctataa atagggggaag ttgttataag aaaagggttc agcccttag   60

gcacttctct ctctttcgaa tttgcttgga aaaattattt ccgcgaagaa aatccaagtc   120

gaggcgcttc cgaaacgttt tcgtaacgtt ttcgtaagga atttcgcgaa ggtttcgacc   180

gttcttcgat cttcaacggg taagtacctc gaaccaagct tttcaattca ttctatgtac   240

ccgtggtggt ccacattgtg tttcgggtat ttatattctc gattcatttg cttttttatac   300

ttccttttga cgtgcttaag ccattctatt taagtcattt ctcgcttaac ctaaaaataa   360

aataaatatc caccgatc   378

<210>   17464
<211>   364
<212>   DNA
<213>   Glycine max

<400>   17464

tgtttctaaa ggcgtaagaa gcaattatgg agatgcagga agcaattgtc tctaaataag   60

ggtgaaatcc aaatacacct tcaaaattca aggtggattg acatgcctct tttttgcccc   120

agttgcacgt caaaaacaaa aggcaagttc aatgagggtg ttactaggtg cacccaacac   180

cattgcttgt acatccaaca attcaagtga agtggcaaaa atatccttca cttaaatttt   240

7322

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aaaacccctc cctcctacct tgcatttgta tgccgcacca gctccgttct tgcccttctt   300

ccttcgtttt gcgttttgag ccatgctgcc acagttaagg ccagctccac cactgttatg   360

tcat                                                                 364


<210>      17465
<211>      418
<212>      DNA
<213>      Glycine max

<400>      17465

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atcatgccct tagcaattgg actctcaact gacaggttat ctctaaccat ttatattatt   120

tgaatatatt gcaatctcct tatcacgtgg caggtattca attatctcta agctacacat   180

tatctataag ccataattat ttacttgtca ttacctacaa gtcggtaatt atctgtaagg   240

gttgttacaa caccgtaata gcccctacaa acaatatcct gcaacttcta ctctactcta   300

taagtatcag gtttcatctc actcttttca tactcattca tactctccta attaacatac   360

ttacttgagc gtcagagtcc tttgttttgt aggcccccccc tcttgtcctc ttcacaaa    418


<210>      17466
<211>      382
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17466

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atctttagaa acaagtcact tgaagaattg tgacttttgg aaatttattt ttcgaaatca   120

gtcactggta atcgattatg tgactcttta ttttaaattt tgaaaattaa aatgtttaga   180

agctatggta atcgattaca agtattgtgt aatcgattac aaaagttgaa aatgtttaaa   240

cacaagttgt aactcttgaa atttgaaatc ttaacgtttt aaaacactgg taatcgatta   300

ctaccttctg gtaatcgatt accagagagt aaaactcttt ggtaatgatt ntgtgaaaac   360

ttcttgtgct actcaatatt tt                                            382


<210>      17467
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7323

<211>   419
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17467

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tccccgtctg cttgttgtat ggaagaaaca cttactacat tagactatgc tagccgtgca   120

aaaagcataa agaataagcc tgaggtcagt taccactgct attgttcctt acaagttaca   180

attcttctaa aagcagtttt aaagctttgt gtgtttttta aaaggcaaac caaaaggttt   240

cgaaggttgt tttgttgaag acttgtaca gggaaattga tagggtgaaa gaaggtacac   300

tcaccaccac tattagtttt ggaatgtaga gaagattttg tatcttatct tttgtataat   360

atgaatattg cagatattcg agcaacaagg gaaaagaatg gtgtatatat ttctcatga   419

<210>   17468
<211>   371
<212>   DNA
<213>   Glycine max

<400>   17468

atctttttc ttcagagctt attatagaag atctttgttt tgcacgatag agtgaattgc   60

tcttctaaaa agaaatatat gtgatagact gcaatttacc atacttattt ccagtgctcg   120

atacaacttc agtgagaata aaatctctcg cagattatat gatagagctc ctgattgcat   180

gggtatgcaa tctgaattgc gttacccaag aaatatcgca taccaatacc agtaaccgtc   240

tatcaagctt atacgtcttg catgtgagta ttaatacata tattaaaaat aatcggctcc   300

ttttatactt aaagagaatc gttataatag ctaattgagt aatacggtat acacatgcac   360

atcttcacga g   371

<210>   17469
<211>   352
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17469

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tcgactcctg aagcccgcgg caatattcgg tggagaacag cgggcttgaa atatgaaaaa 120

atatcccttt tttgattctt atttttaccc ccattaaagc tcttgactct cttatatccc 180

atttccagca ttgtgtgagg atactaacat aaggtatgat agtgtaatga catttcaacg 240

acaacaaaag catgtttaaa gcatgctagt ataatacagg aattaagatg ttctctcccg 300

acaagtagtt ttttaatgta ccatatggcc ccgacacagt cataagaaca tt 352

<210>   17470
<211>   382
<212>   DNA
<213>   Glycine max

<400>   17470

ttcttgtgcc aataaagatg gtgaaaaaat tcaagaatag ttcaatacca tttcatctct 60

tgaaaatcta cacccttgtg gagtggatcc cacctcaaga gttccaatct tacatacgga 120

gagaagatca gtggaagact caatgacata taagcatctt tataggttga tgagtactct 180

cttttccatt cttccattct acttttgacc aaggatagtt gaccatattc ctcagaagca 240

tcactgaaaa tctcatcagc agcctgcagc accaaatcac tttgtgactg atatgcttgg 300

ctctcactat cactctcatc agtgcttgat tcaccttcta ttttatgatc atcccattcc 360

atggatgtga ccttattata ac 382

<210>   17471
<211>   418
<212>   DNA
<213>   Glycine max

<400>   17471

tgaagaggat gctttaatgg aggaaaagaa agagttatat ggttgagcac gaaattgaag 60

gaataaaaga gggagagaaa tgtgtctcat aagactttca ttcatcaaag ttacaacaag 120

tgtaacacat gtttctattt atagactagg tagcttcctt gagaagcttc tttgagaaaa 180

cttccttaag aagttagagc ttggctacac acacccctct aataactaag ttcacctcct 240

tgagaagctt gcttgagaaa attcctaaag aagctagagc ttagctacac acctcctata 300

atagctaagc tcacccccat tccaataata catgaaaata aaaagaaaa agtatctact 360

acaaagatta ctcaaaatgc cctaaaatac aaggctaaaa ccctatacta ctagaatg 418

<210>   17472
<211>   376
<212>   DNA
<213>   Glycine max

<400>   17472

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tgtgggccat catcgatgag tgcaaagaga agctaaatct agcggcaact cacgagcaaa   120

ggctagagga tgagtacgcc aagatatcag aagaaaggga agcaagggaa agggtaattg   180

attcattgca ccaagaggca gcaatgagga tggaccgatt tgctcttact ttgaaaagga   240

gtcaagaact tccccgattg ttagccaagg ccaaggcatt ggcggacacc tactccgccc   300

ccgaggagat ccacagactt ctcagctatt gtcagcatat gatagactta atggactata   360

tgattagaaa ccacta   376

<210>   17473
<211>   416
<212>   DNA
<213>   Glycine max

<400>   17473

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tcgattacca ttcgtgggta atcggttaca ggggttaaaa atggagacag gatgttaaat   120

ggcctctggt aatcgattac caattgtgtg taatcgatta cacagggtga tagggcactg   180

gtaatcgatt accagttggg tgtaatcgat tacacaggt gatagggcac tggtaatcga   240

ttaccattta tgtgtaatcg attacacagt gtaatttta atttccaatg tgcaaaggct   300

gtgtaattcg tttttgggca ctggtaatcg attacatact ttggtaatcg attaccagag   360

aggaaatccc ttgagaaaga cattttgact atgcgtagcc gttatgggac gcattg   416

<210>   17474
<211>   381
<212>   DNA
<213>   Glycine max

<400>   17474

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accaaagatg caagagaagg ccctagggtt ctcatgagtc ttaaggtaga tttcgggccc   120

atgggctaag tacgagccca cttatctttg taaatattag attaaggttt cattattttt   180

gggccttgta gttagggctc cataatgtag gtagggtgcc ttagaaatat aggattttc   240

agcccttgta ttttagggca cctagactag tttttgtatt aggggtagtt ttgtaatttc   300

atatgcacta agtgaatatt tgatcgtgtg gttggaaata aatttaattg aattggtaga   360

agcccaatcc aattaaattt t   381

<210>   17475
<211>   413
<212>   DNA
<213>   Glycine max

<400>   17475

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caaagtgaaa tacatgaacc tcaacagttg cttccacaaa gaagtcaacg ggtggcatct   120

gatattattt ttatacttgt aaaggataaa tattaatttt atacttataa attcaatgtt   180

accgctatga gacagcatcg actcacgcgc aactgctttg gggtaaatat taattttata   240

cttgtaaagt ggacattgcc tctatgagac aatatcaact cgaggggaac tatttcaagg   300

taaatattaa acaccttaaa tgcttgtaaa gccaacgttc ctctacgaga cattgttgaa   360

tgggggaaa ttgcttcagg gttaatattt aagtcttgta agcacacctt aaa   413

<210>   17476
<211>   383
<212>   DNA
<213>   Glycine max

<400>   17476

tctgctttgt tgtgaaaacc aaaagtggca atgaaaaata cttatatgtt tgtaaatgtt   60

agtggaaatt tgtcggttgc caagaattat aggtagtctc aattgtagag acgaaccatg   120

taacaccca attgggctat gaagggtttt cactaaattt taatttaaag gaaattgtta   180

tttaatttat ttatgaaaat acgatttaga ttttcacgat ataattgtat atcaaagaca   240

tacattaatt tacaaataat tccaacaagt catacactag atatagataa tgactatgat   300

catagaaata tctcaaaaga aaagttaggt gaaatatgtg cgagcatcaa caatgtaacc   360

actacctact gtattacatc taa

<210>   17477
<211>   410
<212>   DNA
<213>   Glycine max

<400>   17477

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aatagttgtg ttcgactaaa ttcgagtttc ttaattgctc tactcgtagt attaaactat  120

gttgagttta tctcatcttt tatgaaccat cttgaataga gtaaatgtca tgttttgttt  180

gtatttcatt gttgttgatg atttagtttg gtgacagata attccttaat gaagcattgt  240

ctttaaactt ttagtgtggc tgaaatatct ccttgcgaga caccaaaatt caaatttcaa  300

ccacttcatt aatctttggc ctattatgct atttcctaaa ttacttgcac ctacgtcttt  360

aaactaattc gatgttcaca caagatgcca tcattttcct ccttatattc            410
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<210>   17478
<211>   379
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17478

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aacaaaaatg gattttaatg aattaatcaa ttaccctcac ttgttatttc tcattaatga  120

ctcttgatat gatcttatct tttataaaaa cacattttaa agtcatccaa gggaattact  180

ttgcatttct ttaagagatt caagttgatc aagattcatt cactcttcat catgagttga  240

taatcaaagg aagagcttga agatgttgtg atctacacat caagatgtat tccatccaat  300

tntgatttct ctctactttc ttaatcttgg ttagggttac caagggtttt tcgagttgat  360

aggatttcaa ctcttggaa                                               379
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<210>   17479
<211>   413
<212>   DNA
<213>   Glycine max

<400>   17479

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ttcctatgat gatgaagata gcaaggaagc taggttgact aagattgttg agaaatgtca   120

caatcaggca acatcttttt acctgttctt atctctcttt gactaagtct ttgtatactt   180

gtcattgtct gttactgact acttcggctt tttcgtccag ttgacagctt ttggtgaaga   240

acaataaatt ccatcttggg gagtaaaagt ttttggagat aaggttatta ttctaagaca   300

aagtttctca gtcattctct atacatggtt tgctgctttt atctcttaat tgtttggatg   360

ctggaagtta ttaatgtttt cattttgtga attgcagaaa gcctttcccc ctc   413

<210>   17480
<211>   383
<212>   DNA
<213>   Glycine max

<400>   17480

tcattcttct acattcaatt tcgagctttt cgatatatta cgggactcaa tcggacatcc   60

gagtaaaaag ttattgtagt ttgaatttgc tcagggcttc ggtattccat ttcgagcgtc   120

tcgatatatt acgggactca atcagacatc cgagtaaaaa gttattgtcg tttgaatttg   180

ctcagagctt ctacattcca tttcgagcgt ttcgatatat tacgggactc aatcagacat   240

ccgagtaaaa agttattgtt gtttgaattt gctcagagct tcggtattcc atttcgagcg   300

tctcgatata ttacgggact caatcagaca tccgagtaaa aagttattgt cgtttgaatt   360

ggctcagagc ttctacattc aat   383

<210>   17481
<211>   411
<212>   DNA
<213>   Glycine max

<400>   17481

gtgagaaaat tcaaacgaca ataacttttt actcttatgt ctgattgagt cccgtaatat   60

atcgagacgc tcgaaattga ataccgaagc gctgagcaaa ttcaaacgac aataactttt   120

tactcggatg tctgattgag tcccgtaata tatcgaaaag ctcgaatgtg aatgtagaag   180

ctcagagcaa attcaaacga caataacttt ttactcggat gtctgattga gtcccgtaat   240

atatcgagat gctcgaaatg gaataccgaa gctctgagca aattcaaaca ataataactt   300

tttactcgga tgtccgattg agtcccgtaa tatatcggaa cgctcgaaat tgaatgttga   360

agctctgagc aaattcaaac gacaataaac ttttactcgg atgtctgatt g   411

<210>   17482
<211>   378
<212>   DNA
<213>   Glycine max

<400>   17482

tattcttgaa atcatctatt cagatgtttg tagccctata caagtagagt cccttggagg   60

aaataggtac tttgtaacct ttatagatga tttcactaga aagacttgga tttatatgat   120

caaaagaaag agtgatgtgt ttaatatatt taagaagtac aaagcttata ttgaaaatca   180

aagttctagg aagattaaag tgttgagaac tgatggaggt ggtgaataca cctcaaaaga   240

attcctagaa ttttgtgatg aagcaggaat tgtacatgag ttcacaccac cctacactcc   300

acaacacaat gggttagcag aaaggaagaa tagaaaaatt atgaatgcgg ttaggagaat   360

actcaaatgc aaggatct   378

<210>   17483
<211>   414
<212>   DNA
<213>   Glycine max

<400>   17483

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tagctactat atactccatt aaaacatttc aaacaattgt ggggaatatt taattcggtt   120

ccatgtatca tatgttgtct tgataaaaac taaaaatcaa gtagtgatac tgatattagt   180

tacttttgtg ggattcacac agtaggtaca gcctgttcta caaaataatg tgttaactga   240

ttggagtttc ccctagactt gaatgtaaaa ggctgacaat ttgttactaa atcctaattt   300

gtacctttgt ttaaccaaaa ctgttgatgc atgtttggtt taaaattata tcggagaaat   360

aaatgcttat ttatttcagc attctaagag cttctgatta agagaagcta ctag   414

<210>   17484
<211>   370
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17484

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acctgagctc tttgttcatt tgagtcattt tgggtaactt cattcaaggt aaggggggtc   120

tttccacttc ttgaatcata accttgttgt atttagaagt taggcttcat tgcatgttgt   180

tttgatgttc aaatattcgt agctactgcc ttgtttggaa ctagaggata tgctgttttt   240

tatggaaatt ttaaggttag aaatgagttc tttgggtgtt aaaacttang attagcctta   300

aatttcactt aaattggagt tttctagcaa aagttatgaa taaaataagt tgacagacat   360

tctgtagaat   370

<210>   17485
<211>   412
<212>   DNA
<213>   Glycine max

<400>   17485

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ttcattaatc ttaaaataaa atcgaggcta aaaaaaaaag acaaatttat caaatatcat   120

atgcaaaata atatatatat atatatatat atatatatat atatatatat atatatatat   180

atatatatat atgaaaaata gtaaagatag ggtttctaag tggtgtagat ataaaaagtt   240

atatataact aactgacata cctttaaaat tgttgcagag caatcatcaa ataagcttt   300

aagtacgcct gaaggtgcag accatctatc ataatccata agaaataatc tgcaatcagc   360

tactagtgtt ccaagatatc ctgcaagcaa ggcttgtgct tcaccaattg cg   412

<210>   17486
<211>   369
<212>   DNA
<213>   Glycine max

<400>   17486

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cgtctctacc cattctcatt catttgcatg tttatttctt tacgtttaaa atgccagatc   120

cgacgacgag tccctcgaag gtactaatac ctgtgacccg accatcgatt tcaagcaaga   180

7331

aacgaatcag acggagagtg aagaggacga ggatgtggga cttcccccgg agttggaaaa 240

gatagtcgcc catgaggacc aagagatggg gcctcatcaa gaagagacaa cactagtgga 300

cttagaaacc ggcagtggga aaaaggaatt aaatataggc atgggtatga ccgcacccat 360

ccaagaaga   369

<210>   17487
<211>   365
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17487

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gcactggata tgcattgaat ctgcactact tcagttacaa gtgcaatcaa ttatctaaac 120

ctatagttat ttaaaagtct aaaaaactat attgggatag tctaaacaga acccaagata 180

tgcatatgca cacgtatgca tagcaataaa caatcagtca tattctcatc acaggcataa 240

cactctcaat tgtcatagta atatgccatc cttatataat aattatagac ataattcaca 300

ggctattaga acaatgcaaa ccacaaccat tctacaatag atactcctgt aatatagcct 360

tcaat   365

<210>   17488
<211>   350
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<213>   Glycine max

<400>   17488

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ttcctaggag aaaggacggc aatcccagca ctccaaggga caacgactac ctagactcac 120

cacaaccaat cgccaaccgg atgccgaggg aagagccctc ctcagagcgg gaatccctca 180

aagtcggtgt accgagacca gaaagcaaat gtagccaacg gaacagaacc ctcccaaatc 240

gggaaccgcc ctaagcaacg aaatacagaa atgagcgcca caaactacga agggagggca 300

gtgccgtcct acccacgagc aggacccccc agaacaaccc gacctccccg   350

<210>   17489
<211>   332

<212>   DNA
<213>   Glycine max

<400>   17489

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gatctatgag attattctta aacttcataa gtgtctcacg ctcacttggg atgcacacac   120

tctctctgca tggtaagctc agcaaccaaa gctggacaaa gactaaaata taaatggagg   180

aggaattcat gatcatgcta cgcaaatata gaaacaagt gtgtttttat aaagctgatc   240

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cagcctacct gtattttctc gacattgata tt   332

<210>   17490
<211>   373
<212>   DNA
<213>   Glycine max

<400>   17490

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actagcacta caaacagttt ttggtcatca catagaataa tttttgttca aattttaatt   120

taatatctgt cttctgttga aaatggacga aaaatatgat gcttatgtta tagcggacta   180

aactagagtc atttttttata ccacaagcaa ataaagcaat ccagtcaaat atcatacgga   240

gtaaccatga ttaacaggta tacggtatac caactctttt tgacttgcaa cctttcatac   300

aaattctaaa taactgtcga tctccttata atattatata atgtacacac aatcccacct   360

ttttcttgaa ata   373

<210>   17491
<211>   338
<212>   DNA
<213>   Glycine max

<400>   17491

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agcataatct gtgcccagca tttgaatgac aagatcagcc caaaacgttc cccaaagcct   120

gttccacaaa ccaaataaaa tgtttagaaa tactcactaa gtgtgcctca gatatgaccc   180

aaatctgata tgtaaggtag ttgaaatggc gctgaaaagg cctaatggtg cattgcataa   240

aaaaagatat agctagtaga attgactaat cacttcctaa aaagttggct aatgagtcgg 300

gagacccctg gacaaaaaac ttgctatatt gtacactg 338

<210>   17492
<211>   365
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17492

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cattggccat ggggagcaaa caacttcata ctgcttaaag caggcatcaa actattgctc   120

aagaagacaa tccactaaac tctcccaggc ttccattaca taatccaatg catttatttg   180

accaacaagg gttctacact ttgccttcac atccttatca atgtgaaact gacacaacaa   240

attcatggac ttaaggaata caactttcac cgcattcatc aatgctagat ctctgtcgga   300

gacaataact ctagggagtg catcacgtat aaagaaaaga cgacgacacc tatctagagc   360

ccaaa   365

<210>   17493
<211>   420
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17493

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aagtgtgaga tggttgatgc atccaataaa aaggtgagac ttcataaatc ataaaaatga   120

tggtttactc aaataaatta cattttattt ttcaagaaca atttaaattg tgttgagatt   180

ttttttggta aatcataaaa tgatgtagaa attaaattta aagatagaaa tgaaagagat   240

tgacaaggag aagtaattga attaagacat gaaccatcaa tgagttgtat atggggtttg   300

tagtcaagaa ctaatcttta tgtgttaatt attaaatcat ttaatttata tatgaaaata   360

ctagaaattt taaagacaat tatttataag aaacttataa tatgactata cttgattcac   420

<210>   17494
<211>   377

7334

<212>   DNA
<213>   Glycine max

<400>   17494

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catatagaga cgctcgaaat tgaacaacgg aagctctcga gatatgcaaa tggtcataac   120

ttttaactcg gaggtcggat tcatgcacat tatatatcga cacgcccgat attgaacaac   180

ggaagctctt gagaaattca aacggtcatt acttttact cggaggttcg attcaagcgc   240

gtcacatata gagacgctcg caattgaaca acggaagctc tcgagatatt caaattgtca   300

taactttcaa ctcggaggtc cgattcatgc acatataata tcgagacgct cgaaattgaa   360

caatggaatc cctcgag   377

<210>   17495
<211>   429
<212>   DNA
<213>   Glycine max

<400>   17495

tactcaagct taaaggagaa gttggttttc tgaactctaa acttttact ttacttattc   60

aataaagatg ctgaatgaga gctcatatat gcttgatgag gtgctacagc ttgggaagaa   120

tgttggaaac cagagaggac ttgggtttaa tcataaacct gctggcagaa taaccatgac   180

agaatttgtt cctgccaaaa acagcactgg agccacgatg tcacaacatc ggtctcgaca   240

tcatggaacg cagcataaaa agagtaaaag aaagaagtgg aggtgtcact actgtggcaa   300

gtatggtcac ataaagccct tttgctatca tctacatggc catccacatc atggaactca   360

aagtagcagc agcagaagga agatgatgtg ggttccaaaa cacaagattg tcagtcttgt   420

tgttcatac   429

<210>   17496
<211>   378
<212>   DNA
<213>   Glycine max

<400>   17496

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tcggaagcaa aaaaaagag aaggaaaatt tccaatcaaa gaaaaaaaa gagaaggaaa   120

atctccaatc aaaaagaaaa aagaaagaga gaaggaaaat ttccaatcaa aggaaaaaag   180

agaagacagg aaattcccaa tcaaagagtg ggagaaagcg aaaagaaaag aaaggaaatt   240

cccaaccaaa gaatgggaga aaggaagaag aacaaggaaa gaaagctcct ggtcaacgat   300

caacagaaaa cagaagaaat gtgcagaaag gtctttggac cggacaatat ctgaacaata   360

cagaggtgcc actaaatg   378

<210>   17497
<211>   400
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<213>   Glycine max

<400>   17497

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tgatagtcac cgctttaaga gtgctgtaca ccagcagcgc ttcgaggcca tcaagggatg   120

gtcgtttctc tgggagcgac gcgtccagct caaggacgac gagtatactg atttccagga   180

agaaataggg cgccggcggt gggcaccact ggttactcct atggccaagt ttgatccata   240

aatagtcctt gagtttatg ccaatgcttg ccaacagag gagggcgtgc gtgacatgag   300

atcctgggta aggggtcagt ggatcccgtt tgatgccgac gctatcagcc aactcctaag   360

atatcccgtg gtgttggaag agggccatga ttgtgagtat   400

<210>   17498
<211>   378
<212>   DNA
<213>   Glycine max

<400>   17498

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ttagcgccac aggtggtaag cgtacttcca agagttcaaa aaccgtaaga gattggtgct   120

tagtgcctcc tggccagctt agcccagctt aaaagctcaa gttacagaat ggatatgggg   180

cttagtgcag gatagcacgc ttagcgctgc tacaatgaaa tgtatacaga gaagaagtgg   240

cgcttatcgc atcatccacg ctaagcccac aggttaaagt tcaattacca caaagatatg   300

gggcttatcg cagtgatgtg cacttagctg aactattcag ccaaccaatc atgggtctct   360

atgcttagca cgagcaag   378

<210>   17499
<211>   407
<212>   DNA
<213>   Glycine max

<400>   17499

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cttcctctaa atccccatgt aagaaagtag ttttaacgtg taactgctct aagtgaagat   120

tctctacagc tacaatattt agactaactc tgatgatagt catctttaca actggagaga   180

agatctcttt gaaatcaatt ccttgtttct gctgaaaccc tttcaccata agtctcgcct   240

tgtattttct tctaccatca tattctccct ttagcctata aacccactta ttctgtaaca   300

cttttctttcc ttctgacaat tcaattaaag accacgtctt attcttctga acggatgtca   360

tctcatctat cattgctagc tcccactcaa tagaatcatt ccccttc   407

<210>   17500
<211>   377
<212>   DNA
<213>   Glycine max

<400>   17500

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atgacaataa catcatttct ggcactaaat tgctgggagt ttgaagccgt cttctcaatt   120

aaatttctgg cttgagcagg ggtcatgtct ccaagggctc caccactggc agcatctatc   180

atacttctct caatgttact gagtccttca taaaaatatt ggagaagaag ctgctcagaa   240

atctggtggt gaaggcaact ggcacatagt tttttaaatc tctcccagta ttcatatagg   300

ctctctccac tgagttgcct aatgcctgaa atatcctttc tgatggcagt ggtcctagat   360

gtagggaaga atttctc   377

<210>   17501
<211>   409
<212>   DNA
<213>   Glycine max

<400>   17501

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tatcctagtg acaacaataa agttgtttta gttgtatcta ctttggcata gtagatttag    120

gcttttcccc tatgtaatct tgtttttgtc tctctgtaac caaacatcac atatatataa    180

atcagttgag tgtggttagt gaagtgaaca aaataaaaca aagaagggag ttgaattgtg    240

ttttcaaata aacttctcag tataattttc tcaaccagtt tctagatgaa ttacttataa    300

aagcattatt taataaatga ttatagaata agcaataata gtgaaatagg aagaaaatgg    360

catagcagat ttatactggt tcatcccaag tcataaggct acgtccagt                409


<210>        17502
<211>        544
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<400>        17502

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gtaacaatat tactannnnn nnnagaagag gggtctttga tgacgtggta gaacanccca    120

nggcnaaanc gagctcggga ccggggggagc cacnagagcc gaacagcaag caagcaatat    180

cttgcaagca cccaccagcc ggagaaacga ggcggccaaa aacggagccc cacccaacca    240

cccgcacaaa gaacaagctc aggacaacac caacgccaga agacgaacac accagagagc    300

ggcacactaa acggaccaga accctcgcaa gcagccacag gacaaacccc gacccagaac    360

cccgcacgcg aagcataaaa gaagagacca gagggagggg aacgagggcc aacggcgaca    420

agggacaaac cccaacacaa ccccaaaggg gaccgcccgc ggctcaccaa cccccagcag    480

aggcaaaacc acacaagaag tacccaccca gaccgagggc ggcaacagaa gaccccaaaa    540

ggcc                                                                544


<210>        17503
<211>        325
<212>        DNA
<213>        Glycine max

<400>        17503

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tacgtggtgc atgccgactg tgcatgaatg catggaccga agacccccga gaaaggagc    120
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cccacagagc ttaattgctg tcgttaaata tgtactggaa tcagcttgaa tactatgttt   180

gtggactgag tgcgtgaagt tcatgaaaag catggccaag tgacaattgg atatctcatg   240

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gaaccctgag ctagtgagtg ataac   325

<210>   17504
<211>   382
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17504

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cagcagagca attatgacct ttccagcaac agatacaacc ctggatggag gaatcaccct   120

aaccttagat ggtccagccc tcagcaacaa caacaacagc ctgctccttc cttccaaaat   180

gctgctggcc caagcagacc atacattcct ccaccaatcc aacaacagca caaccccag   240

atacaaccaa cagttgaggc ccctccacaa ccttccctcg aagaacttgt gaggcaactg   300

actatgcata acctgcagtt tcagcaagag accagagcct tcattcagag cttaaccaat   360

cagatgggac aattagctac cc   382

<210>   17505
<211>   367
<212>   DNA
<213>   Glycine max

<400>   17505

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tggtgcaaca gatgtagctg ctctcatacc catggttttt ggataccgtt tattggcata   120

tctctctcta atgcgaatga atcttctatc tcgagcttaa atactacttg atcactcttg   180

catgtggggt gataatatta attaaacata gactcacatg tacggaggac caataattga   240

cgtacctagc acattacata ttgaggcttc atattatgtg tcgacaatat cgtataccat   300

ttaatcagca tgttgaatta ccactcagct agcgctttgt tatgatcatc atacgctcga   360

ccctatc   367

7339

<210>   17506
<211>   294
<212>   DNA
<213>   Glycine max

<400>   17506

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accactactg accacaatac agaccggtgc ccttccatgc agcaaccagg aacaatagag   120

cagccagaag cataagctgc aaatataaac aatagacctg ctcaacctca gcagcaaaag   180

caaccacagc aaagcaatta tgacctctgc agcaacagat acaaccctgg acggaggaat   240

cacctcaacc tcagaagggc agccctcagc aacaacaaca acagcctgca ccat   294

<210>   17507
<211>   397
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17507

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gatacaatag actcaactca cgacaactcg tagacataac taataagtgc aaatgatctt   120

gtatgctgag aatgatggct ctgaacttag tagttggata tattaactta tcaatggagg   180

aaaagactac cgtaatgcta agaactattg ccctttggat gatctcgttt ctaaactgac   240

tcttatttcc tctataatga atgtagactc tcctctattc atacagttca ttctttgcta   300

tcataataaa tagaattttc ctttgtggaa ttttctaata tatatcaccg agaatgaatt   360

ttttgctttg acctattata aatcatacta ccatttc   397

<210>   17508
<211>   375
<212>   DNA
<213>   Glycine max

<400>   17508

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gtggatgacg cctcctgtca cctcttctcc tttgtcttcc gctgcatctc catggtggat   120

aatcaccatt aaaggacctc attgaagctc aaagatccag cctccataga agccccacaa   180

gcaagcttcc atcaaagtgt atgaatttta aaatccaatc ctacagtttc ttgaattaat   240

taaattcgtt attattgttt ctgtaatttt atgtattttt gacacactaa attcgattat   300

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taaacttgta cttaa   375

<210>   17509
<211>   409
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17509

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ttgccagatt gattgtgaag gaatgcattg accgtatccc ggtgagagtg tgatccttaa   120

attttgagag aaatgactat catttaatac tgatttttgc atgaatcttt gaagtatgga   180

ctgaatgcat gaaattgagg atgatgaagg ccatgtttga ttgggatagc cacttagcca   240

cgtgtttgaa tgatttatcc tttgcaccta atttgagctg aatgaattat tgattgattg   300

aaccctgagt ctatagagtg ttatctcttg ctaccttgac ttaggttgta ggagagcatc   360

atccacagaa agtgtggttc anagcanatt tgtcccanat nttggggag   409

<210>   17510
<211>   383
<212>   DNA
<213>   Glycine max

<400>   17510

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acttcaatat actagtattc cttgcgagcc tccccttgtt gtagaagaca atcggccaga   120

tccttcttgg cccttgtatg gtgaggttga catacaagat ttgcaggtag attgagttct   180

tatatttttt aaagttttgt acttttattt tctttcattt tgtggataat tgatttataa   240

aattcatgct aaggtttttt tttcctaaat ggttacaagc tagtatctga aacagaataa   300

ttgtgccaac atatttaata gcataatttt tacactatgt ttgtaatgat gtgttgccat   360

gatgaaggtt cgttatgctc cac   383

7341

<210>   17511
<211>   418
<212>   DNA
<213>   Glycine max

<400>   17511

tttatgtgaa aggatgtgac tcttcatatt tgaatttgaa tttcaacgtt caaaagcact   60

ggtaatcgat taccaaaaca ttgtaatcga ttacaacttt ttgaaattaa ttggaacgtt   120

gtaaattcaa tttgaaaact ttttcaaaac aattttgctg ctggtaatcg attacaacaa   180

tccggtaatc gattaccaga gagtaaaaac tctttggtaa acacgttttg aggaaaatca   240

tgtgctactc aatttttgag aaaaactttt catacttatc ttgattaagc cttctcttga   300

ttcttgaatc tttagtctag aatcttgatc ttgattcttg agatcttgag ccttgaatct   360

tgattcttga ctctaaactt tcttcttgag tcttgaattc ttcttgattc ttatcttg   418

<210>   17512
<211>   384
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17512

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tattttactg ctgtctattt taaaagttaa ccatacaaaa cttgttgtta gttatctact   120

gacatcctag tacagaaatg tccgtacaat gaatatataa tatttttttc taataatatt   180

ctaaggtgac aataaattaa tatacatgtg tttgaaaagt cacataacca atatttaatt   240

gaaattattt gcatatattc actttntgc atataataag tatatttaac tacttatctc   300

aaatgtcaac gtaacgaaca ttctacccat tgatagagat ttgtattcat tactagtaaa   360

taattttaaa aatgacatat acaa   384

<210>   17513
<211>   420
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17513

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gcaaaagatg taactcttcc aatagttttc aagcttttct aaaagttata acttttccaa   120

atggttttta aattcttcta aaggttataa ctcttctaat agttttcttg actagacttg   180

aagagtctat aaaaacaagg ctatgatttg caaaaaataa caattctttt gacaacaaac   240

ttttgccaat tgatttctaa tatctttgaa cttttgcttc ttcttccttt gccaaaaga    300

attcaccaag gactaaccgc ctgaattctt tttgtgtctc tcttctccct tttccaaaag   360

aacaaaggac taaccgcctg aattctnttg agtctccctt ctcccttgtc aaagaattca   420
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<210>   17514
<211>   53
<212>   DNA
<213>   Glycine max

<400>   17514

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<210>   17515
<211>   151
<212>   DNA
<213>   Glycine max

<400>   17515

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cggttgggag aggttcaaga attcatcgca ctaactcctc ttcaggattc ctgtcagcct   120

gttgtctaca gcttcctccc caattgacgt c                                  151
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<210>   17516
<211>   379
<212>   DNA
<213>   Glycine max

<400>   17516

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tggaggaatt ctctgtaagg ccaagtatgc ctgattgcta tttgcacccc catttttact   120

aaatacacct cttgctcttt tatggtgatt ttcttccgta atattacgaa actttacgaa   180

tttctgaacg atgcttgttt cttttccgta atgttatgaa accttacaca ttacataatc   240

atcccttctt tgcctttcgg aatgttacgg aactgtacat agcactaaca cctccttta    300
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7343

atatctggca tgtcacggaa cttcactgat tgtgctacaa tgcttaattt gacttctggc 360

atgtctacag aactacacg 379

<210>   17517
<211>   420
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17517

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taactgggtt aataaaaaga agacagattc atcaataatc atagggatac cgtgcacctc 120

agaaatcaaa gttccatcca gaattttcaa atttgagtaa aagactcgta caagttcagg 180

atagtaaggt agtttcaaag acataaaggg aatcaaccta gtgttttgaa acaattgata 240

acaatcaaaa tgtttcacca taaaaaaatt taagtctagg tacttgggat caagaatttg 300

cctagaggaa aagagagatg agtactgtag acgttgttcg ttggataaga atagtgtgga 360

tgatgacaat catggtggaa ttggtgtcgg nggtgctccg gtggctccgt gacgtcgatg 420

<210>   17518
<211>   383
<212>   DNA
<213>   Glycine max

<400>   17518

tttaatataa taattgcatt aatagaatta atatatatat atatatatat atatatatat   60

acacacacat tttttctttt atttactaat ataacaaatt gcacaattta ttaaaattta 120

agaataatta tttgtaagag acagaaagga acaatttaca attgattaaa atttaaaatt 180

taacgcgtcg gagtcaatag caatcagaac accactctaa attttaacaa aataagtcgt 240

gccttttctt tacgggtcaa aataaatcaa gtctatatac aattttctat aaatataatt 300

gacatatagc caatcaatag tagtaattat gacaaacaag aataataaca aataaagtta 360

ttttaaacag gttaagagac ata 383

<210>   17519
<211>   420
<212>   DNA

<213>   Glycine max

<400>   17519

tctctcagca actttgactg caaaacttca caggagctac atggcttctt tgcaagtgac   60

aagacaagct ttggcatctg agtctcagag aacaccaccc tcagtgcaaa atgcaacaac   120

ctccacaacc acaccaatta gcaacaactt cagtgtgaag agtgagcaaa ctcatgcagt   180

gttgccacat aagagaccag aggaggagca agagtcagag gcaaataggg gtgtgaaaag   240

ggttaaggct gtggaaaatg ttcctctgca attcaagcct cttgaggaag atcacataga   300

gcaaatgatt gaggagcttc ttgattatgg atctattgaa ctctgctctg tcatttcacc   360

ccaggccctc taattgaatg tgcatgtttt tgagctgaat ttaaagtcac aattgtaggt   420

<210>   17520
<211>   384
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17520

ttctttaacc gatcgtttaa gtcgttatct cgcctaataa atgataaaat gaatttcaac   60

cgatcatttg cattgtaatc tcgtctaatc actgttaaaa caaaatctaa ccgatcgttc   120

acactgtaat cacggttaaa caaaaaaagg gaaaaataat aataaaaaaa tcaaaatatc   180

ttgaaaaaaa taataataaa ataatcaaaa aaatcaatcg gacgtttttc tctgaaagtt   240

tccttggatg aattgactaa taaccaaagt gaaactaagg ctaaaatcaa ctcacaaatc   300

aagctntgtc cacaaaaatc actaaaaacc gttttaaggt ccaacgcctt aaatggtcct   360

ctttgctttt atcggttatc atgg   384

<210>   17521
<211>   411
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17521

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aatgagaaat cccaaagaga aaatgtccgg ttgattttcc gctttatttt actaaaaggt   120

7345

atatttttgt tattatatta ttttttacct ctttttttga tttccaacat ggttacggca   180

cgaccgaacg gtcggaattt attttaaccg aagttaacgg ataatacaat tcaaacgatc   240

ggtggaaatt tattttattt ttaagttaag cgagaaatga cttacgtaaa atggcttaag   300

cacgtcaaaa gggggtataa aaagtaaatg agatgagaat aaaacttcac gaaacacaat   360

gtggaccacc atgggtgcat agaatgaatc gtaaagcttg gtttgacgta c   411

<210>   17522
<211>   380
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17522

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gaagcatgtg taacacttgt tgtaacattg atgaatgaga gtcttgtgag acacaactca   120

aagttcaaat tctctccctt tttcttcctt gaatttcgtg ctcccccccct ctctctttct   180

cttcctcttt cttttcctcc attgaagcat cctctccaag cttttttatcc aaggctcatc   240

ttggtggtga agctccttat tccatggctt attccctagt ggatggcgcc tcctctcacc   300

tcttctcctt tgtcttccgc tacatctcca tggtgaaaaa tcaccattaa aggacctcat   360

tgaagctcan agattcagcc   380

<210>   17523
<211>   415
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17523

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aaaattgaag gaataaaaga gggagagaag tggaactttg aagtgtgtct cataagactt   120

tcattcatca aagttacaac aagtgttaca catgcatcta tttatagact aggtagcttc   180

cttgagaaac tttcttgaga aaacttcctt gagaagcttc tttgagaaaa cttccttgag   240

aagctagagc ttagctacac acactcctct cctaactaag ctcacgtcct taagaatctt   300

ccttaagaag attcctaaag aagctagaac ttagctacac acacctctct aatagctaag   360

cttaactcct tgagatgaga agttagagct tagctacaca cccctataa tagct   415

<210>   17524
<211>   383
<212>   DNA
<213>   Glycine max

<400>   17524

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accaatccat attcaaaacg acaaaagctt ccaaagagct cataacattt taagtttgtt   120

ctcaatatca ttctagctcg gaaccaatac atattcaaaa caacaaagta tttcaaatca   180

tcaaaacaga aaaaagttcc aaatgaacca agtttaataa aaatcatcat cttcaaggcg   240

ggagattgca acagaagtaa cgtcagttat caatggttct gtcggttcac ctatattgaa   300

aaataaaagt tagaatataa atatttaact tgacaaattt aattcaatct ttaaaaagaa   360

taccttcatc atcagactcc att   383

<210>   17525
<211>   413
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17525

ntgtataatc acatcagccc acaatttgta tgtttatgct ctctcaatga tgttagagga   60

agttcagcca aatatgggtt agcatatctg caagagggaa ttctttctga tatagctggt   120

gagaatatca aagtggataa tgagcacaaa ggaattccaa tcctgattag gaagttgcac   180

ggcaaaaggg ttcttttgat acttgataat gtggacaagc tggagcaatt ggagtattta   240

gcaggagaat gcaattggtt tggtttgggc agtagaatta tcataactag caggtgtaaa   300

gatgttctag ctgctcatgg agttgaaaat atatatgatg tacctacgtt aggatattat   360

gaagctgtgc aacttttaag ttccaaggta accacgggac ctgtacctga tta   413

<210>   17526
<211>   177
<212>   DNA
<213>   Glycine max

<400>   17526

ttcttgctcc tataacgagt ccacagagga aatgcttacc acctcacaag actggaaagc   60

ggtctataat gactcctcta cggcttccac ataacgcata gaggatgggc agctcaccaa   120

gatgtcttcc ttgcctgata cgatgaccag atgcccttcc actaccaatt tcaactt   177

<210>   17527
<211>   413
<212>   DNA
<213>   Glycine max

<400>   17527

tggatcatct tttaaaaaaa aaagatattc tctttgtttt attaatatgg gagacaaaaa   60

ataacagtat gcaatgataa aagaaagaaa aaactttctt gatttaaatc gatagtgcat   120

tcataccata tataacaaaa gtactctatc cactttatga aagaatttaa ttcctttgaa   180

cattgaatct cccatgcaac tggtgtcaaa ctaaggcaca attataaata tatggagaag   240

atctggtctt tgattatttg tatttttttt atgaattata cgccatgact ttctgctcat   300

ttcataaatt aagttgctta ttaaatctaa caactcaggc aaaattagat tcctttccct   360

gtataaactt aaaacatgat acgactcatt tttatcaata gtcctaatcc taa   413

<210>   17528
<211>   378
<212>   DNA
<213>   Glycine max

<400>   17528

ttttctttta tgcttatcag aggcatccag cctatccctt acacgattcc tcttacttgc   60

catgtctgaa tcagtattaa caggagaaat gctacgacta ctctctgtat aggacattcg   120

atttgtagga ctaaccataa ctctcttggt ttgaattaca ttgcaacaag agggactagc   180

ctccccatta catgttgcaa caagagaaat cttaggatgg gatacatatg agcattgggt   240

aacaatagat ccttgagtct gtgatttgtt gggggcaaaa ttcccatatg atgattgaat   300

tggagaatgg ggccgagaaa ttactttatt attgattgta ttacttgatg gcaacaatgt   360

gttttgacct gagagaat   378

<210>   17529
<211>   400

<212>   DNA
<213>   Glycine max

<400>   17529

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tttaaaattt gaattaaaac gttcagattc tgctgtttat cgattaccat atatgtgtaa    60

tcgattacat agtgcaaatt ttgaattcaa attttaatag ctgttgtaaa ttacttttgg   120

ccactagtaa tcgattacat cctctggtaa tcgattacca gagagtaaat ttgtttgaaa   180

aagacttttt aacttaaatt tcttggccaa accttttgct acttcaattg gaattccctt   240

cctatttaat ataccctttc taagactcta gagactgtct tgatcatcca tcttgaatat   300

ctttaatttc tttgtcttga ataaagcttt gagacgcatg tgaacctttg gcatcatcaa   360

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```


<210>   17530
<211>   371
<212>   DNA
<213>   Glycine max

<400>   17530

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cttgcattct ttatgtttga gtgtccacat agatgtgtgt tatgatcagt tttgcataaa    60

tttctaatca tcatcgtgat atgcatgtca tggaaatgat ttggggcatt ccttttattc   120

ctgagccacc tgctaagcaa atatcccgac atccatcatg tctcgccatt tgtaggcctt   180

ttgagccaaa tgtcaaactt tttggtcaga accttggcct aagatggaaa tttccaacct   240

cacccttggg agggagcaca aaaagatctt ctgagagaag ctccctttac cttaggttac   300

aagtgtgagt caagagaaaa gacaagaata tgataaaaat caatcaatca aagattgagg   360

aaaagcaaga g                                                        371
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<210>   17531
<211>   389
<212>   DNA
<213>   Glycine max

<400>   17531

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tgagatgagg aagtgttgaa gggtgaaact tccttttttt attgttgacc acagagtggt    60

acctggagat atgtcgcggg ggtcaggaga ccttggggac gtcaggtggg gtgctattgc   120

ccaaaaccaa gcttgaccaa tcccgaccca acccgggcat agtcggtcag tgagaacctg   180
```

```
tgatgtacct aagcaggcga gctcctggca gtcaacagat aaaaggaaca aagaccacaa    240

agcaaggagg cttgtggtgg ctggccagct gtgaaacttg actgatatgt gagatatgat    300

ctctggtaat cgattaccaa gggtgggtaa tcgattacaa ggcttaaaaa tgaagacagg    360

aggctaagat ggtctctggt aatcgatta                                      389


<210>      17532
<211>      371
<212>      DNA
<213>      Glycine max

<400>      17532

atctttgcct ttaaggcttg tacctcatga ctttcttccg aagctttaac ctcattgtct     60

ctcacagtct ttagatttgg gagccaatcc aatccttgtg tccggactct catccactta    120

tgatagccgc cgatgatccc attactgctt cccctaagct ctctgtcctt tcttcacgcc    180

gcatcccatg ccttgcgaac tccttggagt accctcgcgt tgtggtcact gaaaccccgt    240

gcgatgaaag gcgtgatgct ttcgtctgat ggcactcctc tcatggggta gccaagctgt    300

cttatggcga ggacgggatt ataattaata caccccttg ttcccatcag ggaacatttg     360

gacatccttc g                                                         371


<210>      17533
<211>      407
<212>      DNA
<213>      Glycine max

<400>      17533

tctagccaaa tggacttacc ttgtattaat cctttgata gcccttttga gccttgtgtc      60

cctttccttg ttttgaagct cactacaagc cttaagtgaa aaaccatgat attaccatat     120

ccttaaggaa ttttggagct ttggaattgt tttgggaata agtgtggggg gttttttgttt    180

cattggacaa cttgttttgt tggctatgct tcatgatgta ttttgggcca tacttgatgt    240

acattgtata ttggttaaat gttggacatg ctgaatgaaa tgttgtttct caaaggctaa    300

agagtaaaaa aaaaaaaaaa attcgaaaaa agaaaagaa aagcaataaa gttgagtgaa     360

taagatctta aatggcacaa gaatgatgaa actcttggtt ctactct                  407
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7350

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<210>      17534
<211>      332
<212>      DNA
<213>      Glycine max

<400>      17534

ttcttgtata gttccccaat ttatggtcat tttggagtaa attttgtaaa taaatcttgt   60

tttatgatta atgctgtctc tagaacattt ccattggatt taatgatgaa atctgtgcat  120

ttttaggtga aaaagagact acgttttgaa ttgcaaaaag tagtagatgg gttaagctca  180

gcagttgggc taagcgcata tccaccgcta ggcgcagctt cagcgtgctt aacgcaaagg  240

agaatatggc agagcatcag catcaaggtt gcgcgctaag cgcgagatca atgagctaag  300

tgcatcccgt tcctcttgcc actcataccg ct                                 332


<210>      17535
<211>      421
<212>      DNA
<213>      Glycine max

<400>      17535

tgtctcagcg tttacgcgag acagagacca gcatgtcagc catcgctagc aagtaccaag   60

aagaattaaa tctagccacg gcccacgagc acaatgtggc ggacgagtat gcccgagttt  120

acgcggaaaa tgaggctaga ggaagggtga tcgactcgtt acaccaagag gcaacaatgt  180

ggatggaccg atttgctctt actttgaacg ggagtcaaga acttccccga ttgctagcca  240

aggccaaagc aatggtggac acctactccg cccccgagga gatccacgga cttctcagct  300

attgtcaaca tatgatagac ttaatggtct atataattag aaaccgctag gaagtttgta  360

ttgtcgctca gatcttgact agttataact ttctgaataa aatgagttta tcccacgttt  420

t                                                                    421


<210>      17536
<211>      385
<212>      DNA
<213>      Glycine max

<400>      17536

atcttgcatt tggaattgcg aaagccccac tccatcatta agattagtac ctgacatctc   60

aaacaaacaa atcaaacgta acaagacaat tatagttgct gtttgaatac ctcacccact  120
```

```
caagtgtatc acacaattat ggcttttctc taatgaaaca ctcttgcctt ttaccactct    180

aattcccctt gagttcttag gcaattcaag agattatggc cacaacaaag aacaattcac    240

caatatgtgt aaggtaaggc tagacaagga aaaggttaac caagaaaaag gctaacaatg    300

tttttaggca caaatgaagg aaataaaatt cagaatttaa gaattcaagt aacaatcctt    360

catgcaacca atatattacc ttaaa                                          385
```

<210>   17537
<211>   418
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17537

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ntaacattca atttcgagcg tctcgatata ttacgttcct ctatcagaca tccgagtaaa     60

aagttatggt cgtttgtatt tgctcagagc ttccacgttc aatttcgagc gtctcgatat    120

gttacgggac tcaatcagac atccgggaaa aaagttattg tcgtttgagt tggctcagag    180

attcaacatt caatttcgag cgtctcgata tattacggga ctcaatcaga catccgagta    240

aaaagttatt gtcgtttgaa ttggcttaga gcttcaacag tcaatttcga gcgtcttgat    300

atgttactgc tcctgaatca gacatgcgag tgaaaagtta tgaccatttt aatttcttga    360

gagcttccgt tgttcaattt ctagcgtctc gatatgttat gtgtctgaat cggacatg     418
```

<210>   17538
<211>   381
<212>   DNA
<213>   Glycine max

<400>   17538

```
atcttgcgtt ttatttcaga cattccttta tttgcgcagc ccaagtcagt atctagctcc     60

tctcgcatct ctgatagaag tgtcttctgt agatcttcca ggccattgat tttgtttgat    120

ttttctctaa cattggaaag aaaacttgcg gcatcaaagt ggttcacaat gttgttatac    180

aaagctgtgg caagttctgt ttttccgact ccagggagtc cccatacacc caacatgcgt    240

acagtttcat cataaggctt catgtctagg agtgacatta cctcttccat gcggggccaa    300

agtccaatag ggttctgacc agtatgtaaa ggattatgag ctatgtgttt atagaccttg    360
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tcagctatct tttcaataaa t   381

<210>   17539
<211>   421
<212>   DNA
<213>   Glycine max

<400>   17539

tgcaagttgg taggggatga gaagaatagg ctgttgataa tgatgtatgg aatccgtaaa   60

ttgaagggga ttatggaggt ggagaagaga aagaatgatt ctgagaggaa ggaagacact   120

gaagcatgca agttacttgg agaagagaag aaaaaggttg ctgaaaagga aaggaaatt   180

ggtagattga aggggtgtat agaggagaag aagagaaggg ttgattctga gaggaagaaa   240

gctactgaag cttgcaagtt actagaagaa gagaagaata aggctgccgt aaaggggggag 300

attgccagaa ttgaagcaga gaaggcagtg aagtatagtt ttcagattgg tcaattagag   360

aaacaggtta atgaagcaaa aacaaagttg gtgtctgaga tttctacgtt tagagaggca   420

a   421

<210>   17540
<211>   381
<212>   DNA
<213>   Glycine max

<400>   17540

tgtcttttgc agtttgaaag tcagacacat tatccaattg tgattatttt atctcatttt   60

ttgttattta cttattaatt tatttaatgt ttttaatcaa cacttttaag ttttaattat   120

agtgtctatg gattcgctca ctaattgtta ttttctaggc ttttgcaatt tcttatactc   180

tttgcacttg caatttgata tctataatct atatgtatat agtatataca tacgaaatct   240

atatttatag tatatacata tgaaaataat ttataaaagg aatttataca cgtggtattt   300

tttaagagtt ttaatcaata aatttaatta taatttaaaa ataacaaaat gtcacagatt   360

accttcttaa catcagaata g   381

<210>   17541
<211>   420
<212>   DNA
<213>   Glycine max

7353

<223>   unsure at all n locations
<400>   17541

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cctcaaatca aaagggccta caacatcttc aacaagagct tctatcagag atacttgggc   120

gcaacgatat taagctaaaa aaaatgaaga aatcaataaa aaaatagact tgggttaaaa   180

agagttctaa tatttctaga cgatgttgat aacatcgaac agatggagaa tttggcaaag   240

gaatgtgatt agtttggtcc tagaagcatg ataatcataa caacaagaga tacacatttg   300

ctagatcttg ttggggtcga aaagagatat gaagtgaaag tgctaaacga ccaagaatct   360

ctggagttct tttgtaagag tgcctttaga aagagttgtc ctgaaacaaa ctacaaagat   420

<210>   17542
<211>   383
<212>   DNA
<213>   Glycine max

<400>   17542

ttcttattat ccaaggcaca ttcttggtgg tgaagctcct tcttccatgg cttattccct   60

aatggatggt gcctccctc tcctcttctc ctttgccttc tgttgcatct ccatggtgga   120

aaatcaccat tgaaggacct caatgaagct caaagatcca gcctccatag aagctccaca   180

agcaagcttc catcaagtgg tatcaaagca caagagcttc aagtaggtgc tccttaaacc   240

tctattaatt ttttgcttta ccttctcttc cattggtgtt tcatcatttt tctccatgta   300

tctcctcaca tgtcttgtgc taaatgtttt taacatgatt ctttagagtt tccaccaatt   360

aaacttgcta tagaagctag att   383

<210>   17543
<211>   420
<212>   DNA
<213>   Glycine max

<400>   17543

tacagtatgc ccgagtcatt catccctatg agatgttgtt gtattattgg cgatcagaat   60

tgccattcct tggattatag ggttgaacca agctcatgct tttacaaaaa ggttcatcaa   120

gtcaagttga aatatggaag taaccgtctt gcaaaattgg ggcaaaagat gaatcgagtc   180

acatcactgc ttcgtctact gccaaacata tttaggatta ttgatgtcct tgttacttcc   240

agtttcacct tgacaaagat gtcatggacc atgttgaaaa tctaaattga ttcaacccca   300

tatcctgcgt aaaaattcgc aatacttcaa ctgtacatca ttcgcataca tccatgcttt   360

tcattggttg cattgctcat tgcattcttt ccttgaaaaa taaaataaaa tgaacttaat   420

<210>   17544
<211>   272
<212>   DNA
<213>   Glycine max

<400>   17544

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cttacacctt gagaccaccg ttagctctac aaatggggcg ttgggcgtat gatgttgcgg   120

atacacgcac ctgcaatctg acgatttgca tgtaagataa cggggccctg tatcacacct   180

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tagtatcgca ctccctcttg agagacttga ct   272

<210>   17545
<211>   412
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17545

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gcctcctctc atagtcgaat agcagacact cgtactgcgt tatatgataa agtacgcgca   120

ttaagcgttc ttaataacct cgaggtgctt tacccctgct atagtgcgac cctgatatag   180

gatctcatca caccagcttg acggatgtca gtgtctttat atagcgccgc atgctgccat   240

atagcctgtt tcacgagagc ctcgctcatc gtatatggct ggctgatagt aggtactctc   300

aacagctcta tccagtcgtt catgtacagg ttgatccatt taccatctgc tgctgctgtg   360

gcggaataga cgtatacgcg catcgttgga acatgattgg gtaatgatct gn   412

<210>   17546
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<212>   DNA
<213>   Glycine max

<400> 17546

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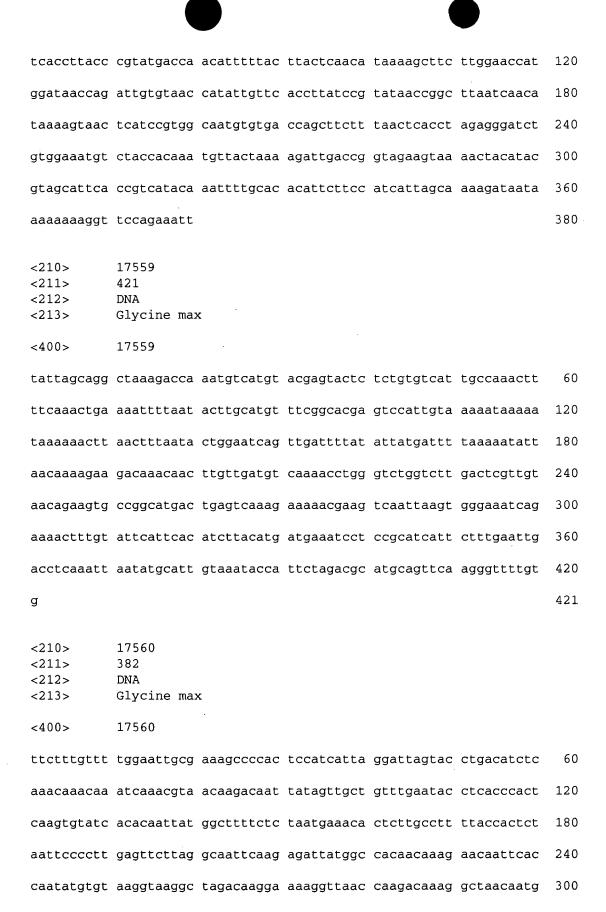ttattcttgt atgattatgg ggtacccatc acatgtggta ctaagtggcg gtcgggcgat    60

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caaaagtcac agcttttacc actcaaagac cccagtaaca attccttcgt tccaattcgt   360

taaccgttgg atcgac                                                   376
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<210>   17547
<211>   404
<212>   DNA
<213>   Glycine max

<400>   17547

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gttataaaat gcaattcaat gttgaagcat aaaaaaactg gatattaata actaaataat   120

ggtgaaaaca acaaaattag cgaagctaaa aggctaaata tttaaaagta aatgattgtt   180

caacatgtaa attaacaaac catcatttta aaacccagaa aatacaaatt aaaattcagt   240

cactattgtt gtcgccccaa ttttttttgt cttctaataa caatttccca aattttgtca   300

tgaagcctct ggtagaatga gagttcgtat ccactattgt tgggtgagtt caacaatcca   360

tacatgcatt ctagatgtta gtaggggtct atcgcatgat tgtt                    404
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<210>   17548
<211>   423
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17548

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gtatatatta gcatataact cattcaccat agctacatct atgcttccat cttggaggtt   120

ggcaaggcgt ttgtgtagat tattgtttga actcggaaag tgcaccggat cgcgcaagta   180

gtataaaatg gtaagaaccg agtatcaaac tctcaggtaa cttgtgttgc ttggtaaagc   240
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tatattcagt gaataggtgt ctagtatgaa aatatatgtg taaactatga tcaggtatgt   300

aaactaacta ttaaaaagaa atatcacgtg agtaatgatg tgtatagaca agaagacaac   360

gtgtnggttc tcttattagg tgcctgattn tataaggata ttctttactt aacaatgctc   420

atg   423

<210>   17549
<211>   412
<212>   DNA
<213>   Glycine max

<400>   17549

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gaaatatcaa ttttactttt actattactc tatatttatt gcttgattca tgtattatgt   180

ttataaatgc cattcatatg gataagacaa caattaggag tataatacgt gactttattt   240

tattttatat ttagattcat actaaaccat actaatagtg aaagaggtgt ggaactcaca   300

ctaatagtga aaatttctat acaattcctc tccccttctt agaaaccaaa cctacccttа   360

aggaactaca tctaccaagt cttgtccagg tgataactgt taaaatgaga ta   412

<210>   17550
<211>   382
<212>   DNA
<213>   Glycine max

<400>   17550

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caagactttg tgtgattggt ttaaagatac aatctttgca gatgagaatg cttcagaaac   120

attaagaaat ctagcagatg ggcctaaaag aaatgttata acctggcaag gatacgacat   180

aaacaggtat tcattttaca caaaagcaca agatgacaaa agtacaatgc agaacagcgg   240

ggtcacccta agggctgaat ctcaacactt tgcaagtgtc aatgacgcca atccctgtgt   300

agcttccatc ccttactttg ggttcattga tgaaatttgg gagcttaatt atgtgaaatt   360

tacagtatgt gttttcaaat gt   382

<210> 17551
<211> 290
<212> DNA
<213> Glycine max

<400> 17551

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atcaaataaa cattaaaaat gcagtatcta ggaagtgatc ctaggtcgtc tcccaatgag   120

caatggttaa ccaaacattc ataacagata gtaataaaat agttacgaat tgggggggg   180

gggggtgtc taactatgtt gaaagaaatg atgtaatggg ctatgcggga aacgaccctg   240

cctaatcagg cactacattg attacaatca catcagacat gatattgcat   290

<210> 17552
<211> 383
<212> DNA
<213> Glycine max

<400> 17552

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gctaaactct agcttctcaa ggaagctttc tcaaagaagc ttctcacgga agctttctta   180

agaaagcttc tcaaggaagt tttcttaaaa aagcttctca cggaagctac ctactctata   240

aatagaagca tgtgtaacac ttgttgtaac tttgatgaat gaaagtctta tgagatacac   300

ttcaaagttc cacttctttc cctcttttat tacttcaata tcatgctccc ggcttctgtc   360

tatcttttcc tacattaaag cat   383

<210> 17553
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17553

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agtctttaga tttgggagcc aatccaatcc ttgtgttcgg actctcaacc acttatgata   120

gccgccgatg atcccattac ggcttcccct aagctctctg tccttcacgc cgcatcccat   180

7358

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gccttgcgaa ctccttggag taccctcgcg ttgtggtcac tgaaaccccg tgcaatgaaa    240

ggcgtgatgc tttcgtctga tggcactcct ctcatgaggt agccaagctg tcttatggcg    300

aggacgggat tataattaat acaacccctt gttccatcaa gggaaccttt agacatcctt    360

cgtatgaaga tagaatcccg attcttcctt ccttcttgga gaa                      403
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<210>   17554
<211>   367
<212>   DNA
<213>   Glycine max

<400>   17554

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gtttgttgag gaaacatcat ccagagtctt gaatcattgg tgatcataag gaaaaagtcc    120

agacaaggaa ctctttcaag catacaactc tacttttcga gatcgggccg aaacgcatag    180

atgatgctat gtctaatgaa tactgggtca aagcaatgaa agataagttg gaccagtttc    240

agaagaatga tgtctagaag cttgtagaac ttcccaaagg catatatgct attggagcaa    300

agtgggtgtt cagaaacaag ctcgatgaaa tatgtaaggt tgtgagtgga acaaagctag    360

gcttgtg                                                             367
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<210>   17555
<211>   395
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17555

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cgattacaca gtgcaaactt tgaattcaaa ttttaatagc tattgtaaat cagttttggc    120

cactggtaat cgattaccaa agagtaaatt tgttgaaaaa gactttttaa cttaaaattc    180

ttggccaaac cttttgctac ttcaattgga attcccttcc tatttaatat acccttccta    240

aaactctaaa gattgtcttg atcatccatc ttgaatatca ttaatttctt tgtcttgaat    300

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tacaatctcc ccctttttga tgatgacaat ccctg                              395
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<210>   17556
<211>   385
<212>   DNA
<213>   Glycine max

<400>   17556

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aagatgatga ctaaggtgat gacaaaaagc tcaaagatca atcaaataac aactcaagtg   120

aatcaaagat caatcaaagc acaactcaag tgaatcaaga acaattcaag agttcaagat   180

aagaatcaag aagaattcaa gacacaagaa gaaagtttag agtcaagaat caagaatcaa   240

ggtttaagat ctcaagaatc aagagaagac ttaatcaaga taagtatgaa attttttct   300

caaaacatgt taaccaaaga gttattactc tctggtaatc gattaccaca ttgctgtaat   360

cgattaccac tagctaaatt gtttt   385

<210>   17557
<211>   410
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17557

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catgattttg ttagcattga atatgtcgtt agtcaagata atgttgttcc gctgctgcca   120

aatagaccat gtcaacgcta gccaccaaca cttccacctg ttgacctttta cagcctcagc   180

caccccaaat atatgttgaa ggaaatgatg ttttgggttt tgcgggagag acccacgca   240

attcacccaa gacatcgatt cccaccacag cggactgatt ttgctgcaat gaaaaaacgc   300

atgacctgta ttctcctcca gattactgca aaacacgcaa ctcgtatcat ttaattccac   360

ctgtcgtctg tgaaggtttg cccttgtagg tagtcgatct ctaagtaacc   410

<210>   17558
<211>   380
<212>   DNA
<213>   Glycine max

<400>   17558

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tcaccttacc cgtatgacca acatttttac ttactcaaca taaaagcttc ttggaaccat   120

ggataaccag attgtgtaac catattgttc accttatccg tataaccggc ttaatcaaca   180

taaaagtaac tcatccgtgg caatgtgtga ccagcttctt taactcacct agagggatct   240

gtggaaatgt ctaccacaaa tgttactaaa agattgaccg gtagaagtaa aactacatac   300

gtagcattca ccgtcataca aattttgcac acattcttcc atcattagca aaagataata   360

aaaaaaaggt tccagaaatt   380

<210>   17559
<211>   421
<212>   DNA
<213>   Glycine max

<400>   17559

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ttcaaactga aaattttaat acttgcatgt ttcggcacga gtccattgta aaaataaaaa   120

taaaaaactt aactttaata ctggaatcag ttgattttat attatgattt taaaaatatt   180

aacaaaagaa gacaaacaac ttgttgatgt caaaacctgg gtctggtctt gactcgttgt   240

aacagaagtg ccggcatgac tgagtcaaag aaaaacgaag tcaattaagt gggaaatcag   300

aaaactttgt attcattcac atcttacatg atgaaatcct ccgcatcatt ctttgaattg   360

acctcaaatt aatatgcatt gtaaatacca ttctagacgc atgcagttca agggtttgt   420

g   421

<210>   17560
<211>   382
<212>   DNA
<213>   Glycine max

<400>   17560

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aaacaaacaa atcaaacgta acaagacaat tatagttgct gtttgaatac ctcacccact   120

caagtgtatc acacaattat ggcttttctc taatgaaaca ctcttgcctt ttaccactct   180

aattcccctt gagttcttag gcaattcaag agattatggc cacaacaaag aacaattcac   240

caatatgtgt aaggtaaggc tagacaagga aaaggttaac caagacaaag gctaacaatg   300

7361

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ttttttacgca caaatgaagg aaataaaatt cagaatttat gaattcaagt aacaatcctt   360

catgcaacca atatattacc tt                                              382


<210>      17561
<211>      420
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17561

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aagttatggt cgtttgtatt tgctcagagc ttccacgttc aatttcgagc gtctcgatat   120

gttacgggac tcaatcagac atccgggaaa aaagttattg tcgtttgagt tggctcagag   180

attcaacatt caatttcgag cgtctcgata tattacggga ctcaatcaga catccgagta   240

aaaagttatt gtcgtttgaa ttggcttana gcttcaacag tcaatttcga gcgtcttgat   300

atgttactgc tcctgaatca gacatgcgag tgaaaagtta tgaccatttt aatttcttga   360

gagcttccgt tgttcaattt ctagcgtctc gatatgttat gtgtctgaat cggacatgcg   420


<210>      17562
<211>      408
<212>      DNA
<213>      Glycine max

<400>      17562

ccgtgatact ctgagtcacc tgcagcatgc attctttgag ctaagtatct cttggaaata    60

aatttagatt gtattcattc ttgtctgaca aaatcacaac tgcaaactta accatcttgg   120

attttatcaa acactgaaat gaaggaacat ctttcagatt attggttatg gagagattat   180

gatggaattg aatcattatt tggtttttgat gtgggtttgc caagcatttc tattttcacc   240

aaagtcgtga tctaatttca attaattgtt ataggattga ggccccttgg gtaccgatca   300

tagaaaagga gaagacatat tggagaggaa aaaaatcatg tgcagagggt gtaccatatt   360

aacttgtgga ctagatgaat gcaaggatgt acaaaaatga tccaccat                408


<210>      17563
<211>      417
<212>      DNA
<213>      Glycine max
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<223>   unsure at all n locations
<400>   · 17563

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agtgatgatg gtatgctggc tgaggtcttt gctgatgcac ccctgctgta atgtgccact   120

tttcaacccc tatagaattc tgtaatttta ggatttatca tatttttttt ccagagctgt   180

tctattattt cccttattcc acgtgaaaaa tattttgtga cttgtgattg aaacaaaaaa   240

ggatattgga agacacctga ctgttatgtc atcttttatt caaatgaatc atctccattt   300

tccccatctt ttatttggat tgcttaggtt tgtaaaggag gaacaattgc tcgttaatta   360

gcataacaac aattcangga agaggatggc ataaagcctc tacttgaata atttgta   417

<210>   17564
<211>   385
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17564

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tggtcataac ttttaactcg gatgtgcaat tcatgcgcat cacatataga gacgctaaaa   120

aatgaacaac ggaagctctc caaaagttaa aatggtcata agctttcaca ctgatgtccg   180

attcaggctt atattatatc gagacgctca aaattaaaca tcgaatgctc tcgagaaatt   240

caaatggtca taactcttca ctcggatgta cgaatcaagc gcatcacata taccgacgct   300

cgaaagtgaa caacggaagc tcccgaaaaa ttcaaatggt cataactnta cacactgagg   360

tccgattcaa gcatataata tatcg   385

<210>   17565
<211>   416
<212>   DNA
<213>   Glycine max

<400>   17565

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ctggtccctt tcttcctttc gcaacttgag ttcactattg ctaccccata gagctccgcg   120

aaatttgttc cggccatact cttccttgcg agccctcttg gtctcttgtt caagggctct   180
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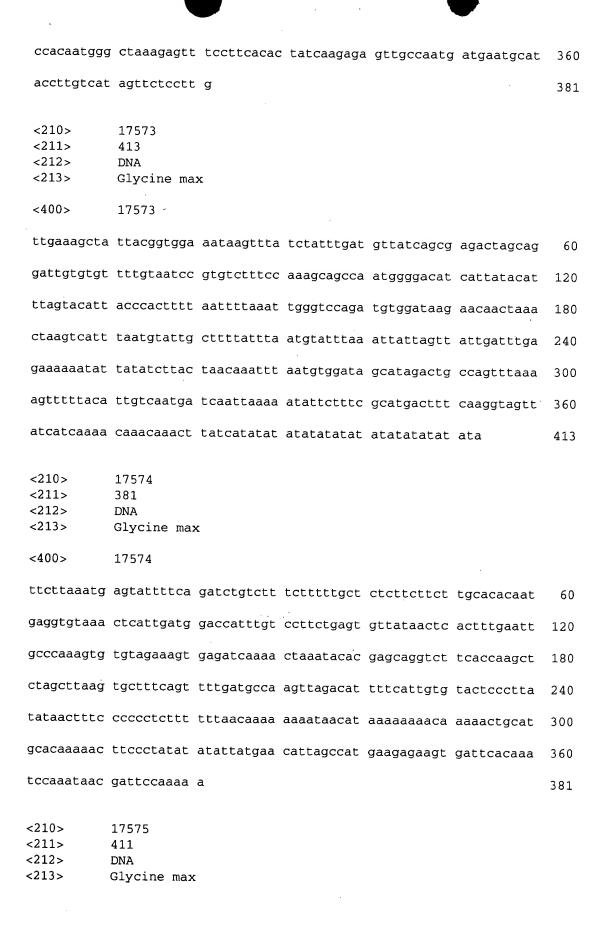
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caacttgaac ttctccttgg caagttttgc ctttcctaac tcgcttttga gagcttggac 300

ttcttcgtcc tcttccggtg cttcaaaact ctctttgctg acgacttta acttggcgag   360

ccaatctaaa cctcgtatat gaactttcag ccattcgtgg tacccaccaa tgatgc   416

<210>   17566
<211>   374
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17566

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gtggatgacg cctcctgtca cctcttctcc tttgtcttcc gctgcatctc catggtggat   120

aatcaccatt aaaggacctc attgaagctc aaagatccag cctccataga agccccacaa   180

gcaagcttcc atcaaagtgt atgaattta aaatccaatc ctacagtttc ttgaattaat   240

taaattcgtt attattgttt ctgtaattnt atgtatttt gacacactaa attcgattat   300

atttgttatt tcattccttt agttattttc gtcaattaaa caaacccatg atatttcgat   360

taaacttgta ctta   374

<210>   17567
<211>   394
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17567

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ttgccagatt gattgtgaag gaatgcattg accgtatccc ggtgagagtg tgatccttaa   120

attttgagag aaatgactat catttaatac tgatttttgc atgaatcttt gaagtatgga   180

ctgaatgcat gaaattgagg atgatgaagg ccatgtttga ttgggatagc cacttagcca   240

cgtgtttgaa tgatttatcc tttgcaccta atttgagctg aatgaattat tgattgattg   300

aaccctgagt ctatagagtg ttatctcttg ctaccttgac ttaggttgta ggagagcatc   360

atccacagaa agtgtggttc anagcanatt tgtc   394
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<210>   17568
<211>   380
<212>   DNA
<213>   Glycine max

<400>   17568

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ttaccaactc catcaccttt tcatggcctt tactgccatt attaaagata atggagtttc   120

tatgaagcca aataatccaa ctcattgtgc accacacaac ttcccatctt tgatttgcaa   180

ttgatccaac tctcagtata tagtgctata gatagtgatc ctgcggttgg ttatgttgag   240

ctcccatgac tcccaaccat ctaaaacaca aagaccacac ttcctgtgaa aaagtgcaac   300

cgaggaagag atgttgtaca ctttccaaat gctgagagca caaggggcac aaatagttgt   360

tgtttggtcg tgccactttt   380

<210>   17569
<211>   413
<212>   DNA
<213>   Glycine max

<400>   17569

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acctggagat atgtcgcggg ggtcaggaga ccttggggac gtcaggtggg gtgctattgc   120

ccaaaaccaa gcttgaccaa tcccgaccca acccgggcat agtcggtcag tgagaacctg   180

tgatgtacct aagcaggcga gctcctggca gtcaacagat aaaaggaaaa caagaccaca   240

aagcaaggag gcttgtggtg gctggccagc tgtgaaactt gattgatatg tgagatatgg   300

tctctggtaa tcgattacca agggtgggta atcgattaca aggcttaaaa atgaaaacag   360

ggggctaaga tggtctctgg taatcgatta ccaggggatg taatcgatta cca   413

<210>   17570
<211>   381
<212>   DNA
<213>   Glycine max

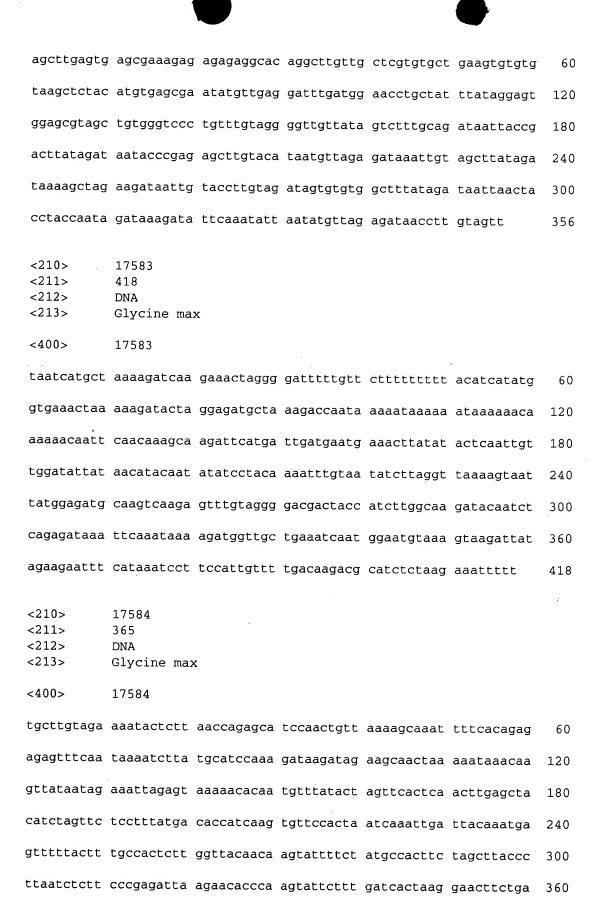<223>   unsure at all n locations
<400>   17570

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cttaggcact tctctctctt tcgaatttgc ttggaaaaat tgtttccgtg aagaaaatcc   120

aagccgagac gcttccgaat cgtttccgta acgtttccgt gaggaatttc gcgaaggttt   180

cgactgttct tcgacgttct tcattcgttc ttcatcgttc ttcaatcttc aacgggtaag   240

tacctcgaac caagcttttc gattcattct atgtacccgt ggtggtccac attgtgtttc   300

atgtattttt attctcgttt catttacttt ntatacccc ttttgacgtg cttaagccat   360

tntatttaag tcatttctcg c   381

<210>   17571
<211>   412
<212>   DNA
<213>   Glycine max

<400>   17571

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gttggacact agtgatcgga gacttatatc tacttttgcg gagaggtaac ataaggaaac   120

tagtagtttc catcttccag taggagaagt gaccatcacc ctggatgatg tggcatcgtt   180

gctacatttg cccattatag gcgcattcca tagctttgag gattttcttg tggatgaagt   240

cgttttcctg ttagtggaat ttcttgaagt tagttcagaa gaagctagag ctgagacagt   300

acaatgtcat gggacatatg ttaggatatc ctgggttgag acatttatcg tagcaaatgt   360

ggcgcaggac agtggattgt aatagctcga gcatatttgt tgtatctagt ag   412

<210>   17572
<211>   381
<212>   DNA
<213>   Glycine max

<400>   17572

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ttatctttcg ctgcaactcc atggccgaaa atcaccattg aaggacctta ttgaagctca   120

aagacccaaa ctccatagaa gcttcacaag aaagcttcca tcaatattat acttagacta   180

tcctaaaaaa tgatagcttt ttcaattgga aacccaagat tgctaaccag acctttaagt   240

cagatcccat cctttattgc ttctattaga gcatgcattc tacctttgta gtggataaaa   300

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ccacaatggg ctaaagagtt tccttcacac tatcaagaga gttgccaatg atgaatgcat    360

accttgtcat agttctcctt g                                              381


        <210>        17573
        <211>        413
        <212>        DNA
        <213>        Glycine max

        <400>        17573

ttgaaagcta ttacggtgga aataagttta tctatttgat gttatcagcg agactagcag     60

gattgtgtgt tttgtaatcc gtgtctttcc aaagcagcca atggggacat cattatacat    120

ttagtacatt acccactttt aattttaaat tgggtccaga tgtggataag aacaactaaa    180

ctaagtcatt taatgtattg cttttattta atgtatttaa attattagtt attgatttga    240

gaaaaaatat tatatcttac taacaaattt aatgtggata gcatagactg ccagtttaaa    300

agtttttaca ttgtcaatga tcaattaaaa atattctttc gcatgacttt caaggtagtt    360

atcatcaaaa caaacaaact tatcatatat atatatatat atatatatat ata          413


        <210>        17574
        <211>        381
        <212>        DNA
        <213>        Glycine max

        <400>        17574

ttcttaaatg agtattttca gatctgtctt tctttttgct ctcttcttct tgcacacaat     60

gaggtgtaaa ctcattgatg gaccatttgt ccttctgagt gttataactc actttgaatt    120

gcccaaagtg tgtagaaagt gagatcaaaa ctaaatacac gagcaggtct tcaccaagct    180

ctagcttaag tgctttcagt tttgatgcca agttagacat tttcattgtg tactcccttа    240

tataactttc cccctctttt tttaacaaaa aaaataacat aaaaaaaaca aaaactgcat    300

gcacaaaaac ttccctatat atattatgaa cattagccat gaagagaagt gattcacaaa    360

tccaaataac gattccaaaa a                                              381


        <210>        17575
        <211>        411
        <212>        DNA
        <213>        Glycine max
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<400> 17575

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tgagaaagtc cttttgattc agtttatact tttctgactt tatggcatga gatgaaattc    60

aaagattgga cctcttgcta gttgttatta atgaatagct taaacacttg tgcttgagtg   120

aaacagtagc cgtgagactg tggtttaagc taattttctt gatatctgtc ttatgattag   180

ctccatctaa ttgttcaaat tacattttat tcttctcttt ggataactgc ataccttgtg   240

aaaggcaagt gatgagggca ttttactcca ttctcttatc atgcaatcag taacttttgt   300

agcatacacc tttgtacata gtcactgcat gttgttgtca cttgaggaca agtgaattgt   360

tctctttttg cttgaggaca agcaaacctg taaatattgg ggagttgtta g            411
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<210>   17576
<211>   377
<212>   DNA
<213>   Glycine max

<400>   17576

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ttcttttcct ctagctgttc tgataaggtt tccaaacgtt agagaaggag aagagattga    60

agccttcatt ctactgcctg catgcaatga atatttctcc ctaacaagat caattttcaa   120

atcgcaacgg tgaaaatatg cagaaatgaa tttcgaacca ggtgtcccaa tttcacaatg   180

atccaacggt taatgagtct gggattatag ttttactagg acaggttttg ggtctctgca   240

ggaaaagaaa aagttaagat gagaagggaa tttctctcac ctccaactct gattcgcaat   300

ttccatcggt gagaatactt gaatatgagc tgcaaacttg gtgctcaaat ttcacaacaa   360

tccaacgatt aacgagt                                                  377
```

<210>   17577
<211>   409
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17577

```
tcatgcaacc caataaatta gcatgtcttt tcctctgttg ngtatataat gaccatttgt    60

gctgatatga aaacacttcc aagtacaaaa ttgattgatt tataaagaaa gaattaacac   120

atgtactata atttccatac attcatgcta cctcgagtca tgttttttc tataaccact   180

tgaaataaat tgtaactttt ctttttaaat atcaaagtct tcaattaagt agttttccaa   240
```

```
ataaagcaga agttatgtaa aagtatcata ttaatgtcct acgttggtct gaacttatgt   300

acaaattaat tttttacaca ctcaaataat gcacaatcaa cacaaaatca ccattgaccc   360

atacgaatng caaatctata atgactntac ggattcataa tatgtatca               409


<210>       17578
<211>       370
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       17578

ttcttagccc aagagaggat ggacctttc aggtcttgga gaggatcaat aataatgcct    60

ataggttgga cctcccaaga gagtatggag tcagcaccac ttttaatatt tctgatttaa   120

ttccttttgc aggtggagct gatatagagg aggaggaacc aacagatttg aggtcaaatc   180

ctcttcaagg gggaggggat gatgcaatcc tccctaggaa aggaccagtt accagagcca   240

tgagcaagag gctccaagag gattgggtta gagttgataa agaaggcctt anggttctca   300

tgaaccttan ggtagatttt tgagcccatg ggccaagatt gngtccactc ttctttgtaa   360

atagtagaat                                                         370


<210>       17579
<211>       454
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       17579

ntgattgaat gatccttgca ttcgngacct atgaatactc accttaccaa agaaaaactc    60

tagggctaag gccaacttat atagctttta aaaccggaaa gggttacctt attctcggtg   120

ccgaaatgcc aaggccgtcc tccacttacc aatttcccaa cttgaaatca agaaggcatg   180

ggcgtaccaa atcccatgta ctcggaacat catcttcgta tatcgcgacc acttgacctt   240

cgtctcccag acccgcgctt ataaagcttc tacttatgtg gcagggcggg cttccttcac   300

ttccttgtct caaacgcgag ctttgaccac cgctcttcct tcccgcgatg cttctcttta   360

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tcaagctagt tatgccggcc ntggctttg ctan                               454
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<210> 17580
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17580

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ttctttttcca aagtggtctt cggcattaca tttaaactcg atcaattgtc gataagtacc    60

tttgcgacaa cgtggtccat acatctcacc gacacatgta gagccttgtt gtgtcctctc   120

ccctcaacgg gaatctcttc ttccgcaaac gcgatataat tgttggtggt tatatgatta   180

acgatgcctt caaaaccctc cactgagata tcatgtgcta catgggcatc gttaaggacc   240

ttcatcaaca acgcacgatg aggctcggag tttatgagta gttcaagcaa agagatcctt   300

gctggagtct tattcagttg ctcaactacc ttanactcgc tttgttggat gaggcggagg   360

aactcatggg cctct                                                   375
```

<210> 17581
<211> 409
<212> DNA
<213> Glycine max

<400> 17581

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tagtttaaca taaggatcag aagttcccag caaattcatg tttaaaagct tttgtgcacg    60

aacctcattc gcatgttata tcctcacaag cttctttatt gccaccctat aaaagatgtg   120

aacaaagcat cagacatctt catagagcaa acattgttat tttaaactta aactttgtca   180

attcatagta aatttttaac aatagtgaag ttatgtttta aataataata tagttctagt   240

aagatatggg tgtttgcgtg tgtcggtaag tgtaccgatt cgcacaagta gtataaaacg   300

gtaagaccga ctatcgtatc ttcagagaat ttgtttcacc tagaccatgt acattcgata   360

tgcaagcact tatacggatt aaaataaggc aaatagtgag ttctgtact               409
```

<210> 17582
<211> 356
<212> DNA
<213> Glycine max

<400> 17582

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agcttgagtg agcgaaagag agagaggcac aggcttgttg ctcgtgtgct gaagtgtgtg    60

taagctctac atgtgagcga atatgttgag gatttgatgg aacctgctat ttataggagt   120

ggagcgtagc tgtgggtccc tgtttgtagg ggttgttata gtctttgcag ataattaccg   180

acttatagat aatacccgag agcttgtaca taatgttaga gataaattgt agcttataga   240

taaaagctag aagataattg taccttgtag atagtgtgtg gctttataga taattaacta   300

cctaccaata gataaagata ttcaaatatt aatatgttag agataacctt gtagtt        356
```

<210>   17583
<211>   418
<212>   DNA
<213>   Glycine max

<400>   17583

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taatcatgct aaaagatcaa gaaactaggg gatttttgtt cttttttttt acatcatatg    60

gtgaaactaa aaagatacta ggagatgcta aagaccaata aaaataaaaa ataaaaaaca   120

aaaaacaatt caacaaagca agattcatga ttgatgaatg aaacttatat actcaattgt   180

tggatattat aacatacaat atatcctaca aaatttgtaa tatcttaggt taaaagtaat   240

tatggagatg caagtcaaga gtttgtaggg gacgactacc atcttggcaa gatacaatct   300

cagagataaa ttcaaataaa agatggttgc tgaaatcaat ggaatgtaaa gtaagattat   360

agaagaattt cataaatcct tccattgttt tgacaagacg catctctaag aaattttt     418
```

<210>   17584
<211>   365
<212>   DNA
<213>   Glycine max

<400>   17584

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tgcttgtaga aaatactctt aaccagagca tccaactgtt aaaagcaaat tttcacagag    60

agagtttcaa taaaatctta tgcatccaaa gataagatag aagcaactaa aaataaacaa   120

gttataatag aaattagagt aaaaacacaa tgtttatact agttcactca acttgagcta   180

catctagttc tcctttatga caccatcaag tgttccacta atcaaattga ttacaaatga   240

gtttttactt tgccactctt ggttacaaca agtattttct atgccacttc tagcttaccc   300

ttaatctctt cccgagatta agaacaccca agtattcttt gatcactaag gaacttctga   360
```

ctttt

```
<210>      17585
<211>      416
<212>      DNA
<213>      Glycine max

<400>      17585

ttgagccaaa atcctgactc accataaacc ttgttccatg gtgagaatgt caatccttac    60

cctcggaagc aaaaaagaaa agaaggaaaa tttccaatca aagagaaagc aaaaagaaaa   120

gaagggaaat tcccaatcaa agaatgggag aaaaaagaaa aaaaaagaa gaagaagaag    180

gaaagaaagc tcctgatcaa ggatcgaaag aaaacataag aaatgtgcag agaggtcttt   240

ggaccagacg atatctgaac aatacagaat tgtcaccaaa tgaacaaaag atagaaaagg   300

aaaccatgac ctaaaagtgg tcttctccct ttcattatca accaaaatcc tgtgcgctag   360

cgacttтttc gccccgcact atacaaaat agaaaggaa aaagccaacc aaaaat        416


<210>      17586
<211>      367
<212>      DNA
<213>      Glycine max

<400>      17586

ttctttacta tatccaagca attcaattgc caaacatcat gaactaccct aaaccaacaa    60

aacagggcag aggcagaaaa ctctgcccaa aacacattca catattatca actttcctta   120

ctcaaatacc ccagtaacat tctcttcatt ccgatttgtt aaccgttgga tcgacttgaa   180

acttttactg gatgttccta gtacataaat atacattttg accgttggga tctgctagaa   240

aatgtccaga acccaatatg tactaccttt cccataacca acaatacaca tgcattttct   300

gcacatgaac aaaaattctg ctatacaaat ttgacagcaa ttttcagcat aataggggcag   360

atttcga                                                            367


<210>      17587
<211>      390
<212>      DNA
<213>      Glycine max

<400>      17587
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```
acttgtgcta ttcatctttt cattctcttc tccctttgcc aaaaagaatt ctccaaggac    60

taaccgcctg aattcttttt gtatctctct tctccctttt ccaaaagaac aaaggactaa   120

ccgcctgaat tcttttgtgt ctcccttctc ccttgtcaaa gaattcaaaa tgacacagtc   180

taagaattct tttgatactt cccattccct tatacaaaag tgttcaaagg actaaccgcc   240

tgagaattct tttgtatccc tattcacaaa gtatcaaagg tttaacagcc tgagatattt   300

gtcttaacac attggagggt acgtccttta tggtacaagt aatgggtaca tctacttggg   360

tttgactgag aacaagagag ggtacatctc                                    390
```

<210>   17588
<211>   379
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17588

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ttcttgtaca taacaagagg acttgcaaaa attgccccat tcattcagaa ccaacagaga    60

ctcgtgccta aggtgaggga gcacccantg aagaacaaca aagtcatgtt caagttgaac   120

caaatggaac acaagtgcta actgaagtga acaccgaaca tgataattga acacatgaaa   180

tggaaattga tgcagtgatt aatctgctaa cacaagctag ccaaacaaat ccaaacaagg   240

taaaatctat accattctga ggtaaaagct attgtgtatt tcactttcat tttcagtctt   300

taatggtccc tttaccagaa ataatcaaac cttgtctcaa agaaaactgg tcctgcattt   360

gcatctacta ataattctg                                                379
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<210>   17589
<211>   400
<212>   DNA
<213>   Glycine max

<400>   17589

```
tagcgagaca acaacttttg caccttcata attttcttct ttttacctga aattgaggtg    60

aaatgtacat tatattcata aggaaggctt ctaccgagca catatgaaaa ctaaactaga   120

aatatttaca atcctaccaa aaataaccat aaatttggag atttatatac attgtgtaaa   180

agttctctat acaaaagtta gttgtataag acgactaaca aacttcccca aatttacagt   240

tttgcttgtc ctcaagcaaa gaaagaatag ctcacttgtc ctcaagtgac aaaatcacag   300
```

tggttattca caaagtgttt gctccaaaga atttaattac atgaaatgaa tggcatacga   360

ttcttcaatc atagctactc acaagacatg cagcttttca   400

<210>   17590
<211>   318
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17590

ttcttttatt tttgataaga agcttgntgc ataattgaat ctttattgaa atcactgctc   60

ttaaactttc taatttttct tctttcccgc tatcactgat ggattttcct gtgattattg   120

tgtagattat gataatatgt tttttcaaat gtattttgtt atttggcatc aatttgtgga   180

aaaattaggg cctgattgca tactaaatac tctgataata attctctcca gtctctagtc   240

tctacaactt gctttgtctt ttgaaatgat tcttgtgatt ggaggtttat atggagtggg   300

ggcacatgat gaaatgct   318

<210>   17591
<211>   408
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17591

tgcatgagat gcagggtatt ttctcacaaa tattattcat tactccaagg ttttccatag   60

ttatgacttt ggcaagtatt atttggtact ccaaggtgtt ttttaccaag caatatacac   120

acacaactta ccttgcaaga ataacctatg agcaactgaa gttataaaaa tagcatgagc   180

tctctgccaa tttgcacact gaagaaattg gtcaagggct tttgagtgat ccccattata   240

attataataa attgcctgca ccgccataac aaaatcattc aaacaacaat aagagtcatt   300

taaagaataa tacaatactt tgcaacnatt ccagcattag caagcccatt aatcagtaaa   360

gaacaccatg acaacaattt aattcagttt agtcataaat tgatcata   408

<210>   17592
<211>   383
<212>   DNA
<213>   Glycine max

7374

<400>   17592

ttcttttttt tcccactcat acaatagcgt ccggaccatt cataccaccc taacccaaa   60

aaccaacaaa aaccacatca aaatcatgat aatgaaaatg gaagatgata ggggaaatat   120

aagagtttct taccactaaa ctagccctcc aactcaaata tagttttgct acatggtccc   180

ttgagcaaag gaattcaagg tctcaatctc tctcgtgaaa cgttgtcatt gagaggaaga   240

atatcgtaca atgaaagggt tcaccatcat cttaattatg tcaaattaat taaaatcact   300

taatctgaca ttatgaaaaa tagagtgtta catgaaaata tatttaaatt taaaattcca   360

agatcacatt ttgactgtta aaa   383

<210>   17593
<211>   337
<212>   DNA
<213>   Glycine max

<400>   17593

gtgtgatctt ttttgtgagt gaacgactag ctgtgagtaa tgatctttgc atgaatctct   60

aaattttaga acgatatgta taatgaggac atgatgaagg ccatgattgc acatacacaa   120

gctctttga ccatataact taccttcaat aatacttgca tcttttgctc ccttacatca   180

gcacacacaa caaataagtt gtatgttaaa ataaaataca agaaagaat agaataagtg   240

tgttgtttca ataaggtcaa aagcaacttg agaaaaaaaa tattgagaag gctacgtgta   300

taatacaaga taagaccatt cggataagtc aaggatt   337

<210>   17594
<211>   382
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17594

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aaatcaatca caacacttca tttcatacaa aacaaaccac tgaatatcat attcaatcaa   120

ttcactgctc aaacatgctt ttgtacaagc tactactact aacaaaatac tgaaatttaa   180

agactgaaaa ttaaataatt gaaacataat gcataaaata aataaactaa taaaaataaa   240

ttgctcataa cgcaaaaaga taaagatcct gtcaatcctc ttgtggttga tcctttgcat   300

gctcattaag atccaacact ggagcaactt gtggatcctg tgagatgggc tactcttgct   360

ccaatgctgg tgcatatggc tg   382

<210>   17595
<211>   411
<212>   DNA
<213>   Glycine max

<400>   17595

tcctttttagt gcgtcatgtc taaaaccaag ttcattggtg gtacgagcct ttgaccgtag   60

tgggcgggaa gtgatggggg aaatccacat ccccattcag ataggccctt acacttgcaa   120

tgtggttttt caagtgatgg acataaatcc cgcctacagt tgcctcttgg ggagaccttg   180

gattcatgca ctgggagtgg tccctttgac gcttcaccag aaattgaagt tcgcggatgg   240

tggacttttg gtgatagtgt cacgcgaaga ggatatgttg gtgagctgcc cctcctccgc   300

accatatgta gaagcaccaa aagaatcatt ggaaacagct ttccaatcct tcgaggtggt   360

gagttgtgcc tctgtggaaa cgagcccgtt gctaccttct ctctctaatg c   411

<210>   17596
<211>   335
<212>   DNA
<213>   Glycine max

<400>   17596

tctttcttct gcaagccctg ttctatatgc tagattgaat agtggggagc ttgctcttcg   60

acttggtgct gatcatcctg ctggagatat gacattgttg gaaactggcg aacctgtgta   120

ttctccaatc actcaggttt gataaatatt ttttttctg tataatcact atttaaaaat   180

actcttgtac ttgagaactt tgggactgtt tcatgtatga aggacctttg cttacagaaa   240

atctaatcat ggaaacagag gagtctgtgc tgcggacagg gaggtctgta tgctaactga   300

gattcatcca tgacacaatc tgttatctta aatct   335

<210>   17597
<211>   391
<212>   DNA
<213>   Glycine max

<400>   17597

agcttattaa tcaattgcat aagaaagcct tgataatatt ataatagtaa gcaattgagc   60

atatatcctg gaccagaatt cacatcactg aatatgtact tttgcatctc tttccctttg   120

caggttagat tgcatgtgga ggtgccatca ttggtatgtg aggattgtta caagagggtc   180

atagcatagt ttatgaagca agcaaaggtg ctagctatgg ggttacactt gctttatata   240

attatataat attataattg aatgtctttc tcatattctg gctcaaagaa aatatatgca   300

tcaaattatt gttgtctgtg aatatggtac actttatatt ttcagtcatg aggatttcca   360

gtttctaaat ttgaaactat aacctctcaa t   391

<210>   17598
<211>   357
<212>   DNA
<213>   Glycine max

<400>   17598

ttcttgtaga actccccaaa gtaagatcta ctcttggagc aaagtgggtg ttcaaaagct   60

agacaaaata ggtaaggttg tgaggaacaa tgctagactt gtgaccaaag gttactcaca   120

ataggaaggt atacattata ttgaaacttt tgctcctgtt gctcatctag aggcaatatg   180

cattatacta tcctttgttg ctcatcatgg tatgatgtgg tatcaaatag acgtaaaaag   240

cactttcttc aatggactta tcaagaagtt tatgtggaac aaccccctgc gtttgagagt   300

tctatctacc ctcatcatgt tttcaaaatt aataaagctt tgtatgtgtt aaagcaa   357

<210>   17599
<211>   390
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17599

tncacagcat gtactcaatt attcttatta attattattt tgaaataaac taaaaagtta   60

ccggggggtc aagatatgta ataataatag tttttgtta tacatgccta tgcttctaga   120

tgttgaatat ttaatggcta atcacttgag tgttgagtgt gttcacttgg aggcatgtgg   180

tggataccgt gatgtgtcat ctgtcagtac ttgagcccac atgtactgat attaatagga   240

gggatttcat ggaatcttga aaaacaaaat tcctcatttt ttaatattgt cgtactaatt   300

aaattctgac tcaaaataca agtatctaaa attaactctt ttttatgata actattttgg 360

acagtgaaaa atatgataac ctaaccgttt 390

<210>   17600
<211>   375
<212>   DNA
<213>   Glycine max

<400>   17600

tcaatcttat catgtctagt tttcaatgat ggtcatcaaa atgacatatc atttccatat 60

cattcccagt ttacaaaata gatagtaaag gtcaaaacag aacatctagc aaaagggtca 120

ttatgtagga attatttcaa attcatttct cactcaaatt gaacgtattt aaatggattc 180

atatgcctca aatataattt cataatataa ttttactttt agcatgcaaa gtctcagaca 240

ttcctagcat tcaatttcat gagacatgtc acaaccgaga ttttcacaaa caccttgtgt 300

gcatgatttt taatatcaaa caacaaatca atcatcacac acacacac acacacacac 360

acacacatac acaca 375

<210>   17601
<211>   400
<212>   DNA
<213>   Glycine max

<400>   17601

aactcagctt accctatatg gttaaaaggt gctattgtta gcctatctct atgttcccaa 60

cctagaagtg atattctcca aaaagctata aacttcggct gagtgctctt gatggaggtg 120

aagcataaca tccatcttct gaatcataaa agactcaaaa agactccatt gaggtgcaaa 180

ctcatgttga gcttcagctt caacatcttc ttccatcttt ttagtgtttc tagcaacagg 240

ctctctaggc tcatcttgat aatcaggtat caagatgcta taacataagg aaactcataa 300

tccaccagac ggtgacactt caacataatg ctacaatcga aaatacccaa ttcatcttga 360

tacctgattt caaaccataa acaatctaca tatcatcatc 400

<210>   17602
<211>   337
<212>   DNA
<213>   Glycine max

<400>   17602

agtatagctt atagatcaac ctttgtcatt ttattccata gatcaacctt tttcatttta   60

ttccaactct attacttgcc tttccgcact tagcttttct ttttcttaaa tagcaacaca   120

cacactttta tattatactt atagtttttt tttaaatact tgttgcttat tagatgactg   180

tgtgtagctc ttttcttacc attacaagct ttgaccccat aattacccc aatttgggca   240

aatttgcttt gaaccaaaat tcctttatg aatgatgctt tcctacaacc taagacaaag   300

gtaaaggata taaactatac agaacttatg ttcaatc   337

<210>   17603
<211>   408
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17603

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caataattac atgtcatttn taacagatca agcattgact aaatgactta ctttaactgg   120

agtccattta gcagtttcct tggacttaca tccttgatta ttgttcaatc ccttcaaagc   180

attggttaag agaaacatgc atgcatattg tacaattaan atattgatgt caaatactaa   240

tgataaagta aatgtctaac aaattacaac taacatgtta ataattcctt tcaagtagtt   300

ggtgggctta ttgtgcaagg aaccatacca gacgacaaga ttgtccttat gacatataat   360

gacaaactgc caatgttcac tgcattggag agcattaagt tattatat   408

<210>   17604
<211>   325
<212>   DNA
<213>   Glycine max

<400>   17604

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aacataatac tccttgcaga cacatacct ctatcgacaa actggctgta atatgcgaat   120

aggccccgac aagatcgccc ttcccaacag ttgcgcatcc tgaatggtga atggagcctg   180

atgctgtatt acatccttac gcatgtgtgc gagatttcac actgaatatg gtgcactatc   240

agtacaatct gatctgagcc gcaagttaat ccaccccaa atccgcaacc ccgctgacgc   300

aactcttcgg tcagctgaat catca   325

<210>   17605
<211>   385
<212>   DNA
<213>   Glycine max

<400>   17605

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caccacaaga gtgatgagag tgagagtgag agtgatagtg agaaagggtt cgagggagta   180

aggttgcaaa gtgagggagc tcgagggtgt agacaccaga tcaattttta taaaaagacc   240

caacaacatc aatttttaaa ccaaaccaat gttatcaatg cattccaaaa catcaatttt   300

acgaaaactg atgttgcgaa caaaaactca acattggttt ttagaaaacc gacgttaaca   360

ttatactagc aacatcgatt ttcgt   385

<210>   17606
<211>   412
<212>   DNA
<213>   Glycine max

<400>   17606

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ttaaatggca aaaagaaga gctgttttag tctggtgaag aggtcttata tgggacaaac   120

attccacaca agataaggtg agtctttaac tcttgagcct tttcaaatta agtctttaac   180

ttggattttg tttcttatga dacaatttt ttttattcaa aaggagaaaa gaatgaaatg   240

gatatttgca aggctaaaga gcaagagatt tccttcaatt aaatatcccc taccctcaaa   300

aggaacaaca ctaagtgagg cagagcaaga acagagcaag catgctttaa cagtggtcat   360

tgcctcagca gcagttgctg aagctgctgt tactgctgct catcgcctca ct   412

<210>   17607
<211>   376
<212>   DNA
<213>   Glycine max

7380

<400>   17607

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atttccaaga gtcacatcta ttcaaatgtt ttatgaatgg ccatcaaaag tgacttggaa   120

acacgaattt aaagagagtt ttcattgccc aaacagtttt atgctctcaa aagattaaga   180

gtttttctga actgaaatgt cttatcctct caaaaagatt ccttggtcaa ccacttgcat   240

attcaataag gaattttgat tgatcttcat tgtacaatct atctctttta agagagattt   300

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gagaattctt gaacac   376

<210>   17608
<211>   412
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17608

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cttagcaaac aaagaaggag tgtctgtcaa ctggttccct tgatggaaag aaggaagaac   120

cggggttctt atttcgtgcg gaggatttct gaatgttccc ttgatgggga caaggggttg   180

catcagttac aatcccgttc ttgctataag gcaacttggc taccccatga gaggggcacc   240

actagaggaa gagctcgcgc ctgtcatttc acaaggttta aataagacca acatggagac   300

acttcagaag tttcgcaagg tatgagaggt ggtgcaaaag aaggacaaag aactcaaggg   360

cagtaacaat atgcccatcg gtggctaccg taagtggtng aaagcccaca tg   412

<210>   17609
<211>   364
<212>   DNA
<213>   Glycine max

<400>   17609

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cgatatatta tgcgccataa tccgacctgc gagtaagaat ttatgaccct ttgaattgct   180

cgagagcatt cgttgatcaa tttcaagcgt ctagatatat tatgtgcctg aatcggacct   240

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ccgagtggga acgtatgacc atttgaattt ctcgagagct tccattactt agtctctagc    300

atctcgatgt attatgtgct ctaatcggac tttcgagtga aacgttttga cgcattcgaa    360

tttc                                                                  364


<210>      17610
<211>      372
<212>      DNA
<213>      Glycine max

<400>      17610

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gggatcttct cgaaattcgg ccttaaactt cacaagacac ttgtcaatca tctgatcatt    120

gggatctttg agaagatgtc tggagtgtgc tagaagcctc ttaatgaagc ttctagagaa    180

aactacatga agctgcctcg gtataaacgc tgcccagcct tcgttaaccg ttggatcttc    240

tcgaaatttg gtttgcaact tcacaagaca ctttaccatg atttaaccgt tggtatcttt    300

gacacaatat ctggagtgtg ctagaagctt ccgtacccga gagcatctct tatttaagca    360

tgtcagcctt tg                                                         372


<210>      17611
<211>      350
<212>      DNA
<213>      Glycine max

<400>      17611

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aatttttcta gagcttccgc tgctcaattt cgagcgtctc gatatattat actcctgaat    120

cggacctccg agtgaaaagt taagaccatt tgaatttctc gagagcttcc gttgttcaat    180

cttgagcgtc tcgatatatt atgcgcctga gtcggacctc cgagtggcga gttatgaaca    240

tttgaatctc tcgagagctt ccgttgctca ttttcgaccg tcttcatata ttatactcct    300

gaatcggacc tccattgaaa agtttgacca tttgaattct ccagagcttc                350


<210>      17612
<211>      385
<212>      DNA
<213>      Glycine max
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7382

<400>   17612

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tgccattcct tggattataa ggttgaacca agctcatgct tttacaaaaa ggttcatcaa   120

gtcaagttga aatatggaag taaccgtctt gcaaaattgg ggcaaaagat gaatcgagtc   180

acatcactgc ttcatctact gccaaacata tttaggattg ttgatgtcct tgttacttcc   240

agattcactt tgacaaagat gtcatggacc atgttgaaaa tctaaactga ttcaacccca   300

tatcctgtgt aaaaattcgc aatacttcaa ctgtacacca ttcgcataca tccatgcttt   360

tattggttgc atagtcattg cattc   385

<210>   17613
<211>   290
<212>   DNA
<213>   Glycine max

<400>   17613

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atacaagggg gagggtattt tcaccacctc tatcagttgg ataggtaata gatcatatag   120

caattgaagc cggtacaaat aactgtcgaa agagaccgga tagaagacca cgacaaccta   180

ccggcggtga accctacggg aagatggatc ctttccaaca acctatgtga tggaattaga   240

aaagaggaga aaactgtggg gttacggtaa aggcaacacc cttgaccctc   290

<210>   17614
<211>   302
<212>   DNA
<213>   Glycine max

<400>   17614

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gagcgatagc gaaagattga ggaacagagc tatcgacctt gcacacgaga aagtgacctg   120

ctagatcgcc acaaaagaga caatcccgag gcacataaac aagagaggca gggaatacta   180

ctctcaaaca gcggagctaa ttgtgtggac atgcaccaat acacacccca tagacatgct   240

attgctcatt caacagccca cgcaatcagt gcctaacaag cagcaaattt actgaaacgg   300

ac   302

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<210>      17615
<211>      375
<212>      DNA
<213>      Glycine max

<400>      17615

cttccccgtg ttaccgtctt tgagatatat ttagttagcg gtcaaccaca ttgcaattat      60

aagcgtattt ttggaagaag aaaaaatgtt tttctaaata aaaatattat ctctcataca     120

cgagtgataa ataacacaag ttcttgttcc cctttttatt tatattgcgt gactgcgact     180

tagccgcaca tgcaacagat aaggaagagc aacgtcgtgc cttctctttt caatactgct     240

tggattcaga aaacacttag agtgcaaata cttcctgtgt tggagggagt ggaggtttca     300

cctgattagc agtgtaggtt cggagaaaca gccagaaatg aaacacagtg aatggaaata     360

tgacaaagaa aaata                                                       375


<210>      17616
<211>      370
<212>      DNA
<213>      Glycine max

<400>      17616

ttcttgctct aaatttacat tgatgtttgt atttatggga ggaggttata tgccattttt      60

gctttaagag taacgtccca ctggtaaaac taactttcca aatgtttgcc ttcgcatgaa     120

tggccccgag gaagcttgcc tcaaagaggt ccaggaagga caaggcggcc gaaggaacta     180

gttccgcccc ggagtacgac agtcaccgct ttatgagcgt tgtacaccag cagcgcttcg     240

aagccatcaa gggatggtcg tttctccggg agcgacgcgt tcagcttatg gacgacgagt     300

atactgattt cccgaggaaa tatggcgccg gctgtgggca ccacttgtta ctcccatggc     360

caagtttgat                                                             370


<210>      17617
<211>      401
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17617
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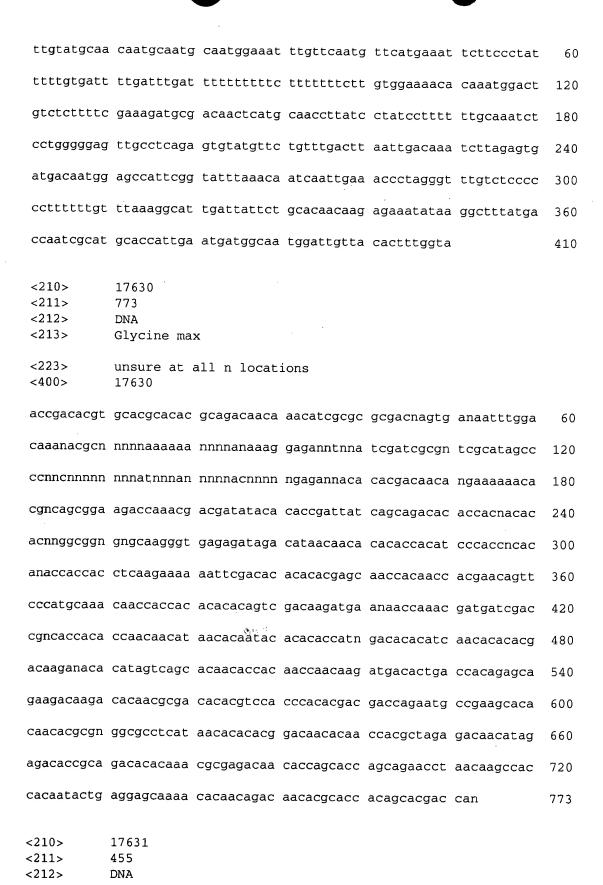
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tgtcggccgc gattgacgaa gggcgcagaa gactatgttt gtctctgcat gctatcaggc      60

tttcgtctt acagacagca aaaaagaatg tttatacgga taaccactcg ggttttccg       120

cccgtcagcg tgactcaaat gtcagtatga caaatcttgt gagcgcggaa gatgacgtaa      180

atctccgcgt gtcaaagggc ttgtcggccg cgattgacga aggacgtaga agacgtcgtt      240

agtctctgcg tgctatcagg ctttacgtct tactgacacc aaaaagaat gtttatacgg      300

ataaccactc gggtatttcc gcccgttagc gtgactcaaa tgtcagtatg acagatcttg      360

tgagcgcgga ntatgacgta aatctctgcg tgtcaacggg c                          401
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<210>   17618
<211>   375
<212>   DNA
<213>   Glycine max

<400>   17618

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ctgggaaact cccagtgaac ggttctgcct ttcttacaac tgaacgatca tccatatcaa     120

gccttgctat aagttcacca gcctgcaaaa ggtgatacaa ttttattatc tttttcaatt     180

tcaacaattg tacttactat gtggaataga atgctatata cctgcattgc ttgaccttca     240

gacattttga aatgaataat cccataaaca tgcgaaagaa gaggcatgca cattttcatg     300

acctcaactt catcatacgg tgtgtcatca tcaacatgac tgtcatctgc aaccaaatat     360

ttcataagct tgcat                                                       375
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<210>   17619
<211>   378
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17619

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ggtaatcgat taccaaaaca ttgtaatcga ttacagcttt ttgaaaataa ttggaacgtt     120

gtaaattcag tttgaaaact ttttcaaact cattttgcta ctggtaatcg attacaacaa     180

tctggtaatc gattaccaga gagtaaaaat tctttggtaa agggtttttt caaaaactca     240

tgtgctattc aaagttttga aaacttttt aatacttatc ttgatagagt cttctcttta     300
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ttctagaatc ttgatcttga tttttgagac tctgaacctt gaatcttgat acttgtctct   360

agactttctt cttgagtc   378

<210>   17620
<211>   557
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17620

accgtaccgn ttcgcgctgc nactgaacac tcggtcgcac ataggactga gcaccnctna   60

aaannnaaaa aaanaaggag tanacttgag gcatggntgc aanancnncc cntaancnag   120

ctcgcgcccc ggacgaccac gagagacaaa cagcaagcat gcatttctgt tctattcaaa   180

aatccgcgag cgaaggcggg ctagaccttg aactgcggac acgaaaactg cacacaacaa   240

gcgcgggcca gaagaggaag accaccaccg caagaacaca ctcaagacac ggatactcga   300

agtagaagac gaatagatca ccggcccatg acacaaagaa aggaccacaa cgcaatgttg   360

agacgcagcc agagtggaaa gcggccaatc agaccgcaac caccacacca acacagcaag   420

gagactcctg caggaaacgc ccgtacgccc acgcacgaaa acaaacagga cagcccccat   480

gaagccgaat acaccggaac aacgaccacc cccaagactg cgcagacaac caaataccca   540

agggccaccc cacagcc   557

<210>   17621
<211>   465
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17621

accccaaaca tatattcgat ggatacgaat gcacagactg acacaaaacc cagggaaatg   60

tgatctcgac tcaggaaata aaaaccagct ncatcagatc catcgatacc actggtgtga   120

ttttaaatgt tagaaccaga agacagtgac cctatagcta accgaccacg caactgtcgg   180

atgaaattca ctacaggcag ccctggaacg ttacaagtaa tcaattacgg tatcaatgta   240

tgcaaccgaa agatgatgct gatgctaacc cattgataag gagataagat gagtcggcgg   300

ttgttggtca actgacttat tagtaacatt gctagaaccc tacgaggctg cgaaacttaa   360

ctgaagctca cacgacccct actcagaaac cccgctatag acaatgggca ggaacatgtc   420

aaccaaaaga ctgagtgggg gcatcgccta ggagacagct catcg   465

<210>   17622
<211>   376
<212>   DNA
<213>   Glycine max

<400>   17622

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cggaatggtt tcaccatgat ggatgcagag gaaatcaaga ataccactgg tgattgtcat   120

tttctaatct gaatattata ttttatgttc ttatccactc tttttactat gttattttct   180

ttagtcctat tgttaacaat tatttttgag ataagaagga agaaaatca ggcttattca   240

attggaagtt gctgaaaaga agtacttccc acttagttca taatttaatt tttgttgcta   300

aaaaggaatt ggaccaatct gtgtgcatat gtatttatct atatacactt ttaatgctat   360

atgtaacgag gaattc   376

<210>   17623
<211>   380
<212>   DNA
<213>   Glycine max

<400>   17623

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atgtttcaag acgatctttg gcgacaaaaa acgtgtatta atatgcattg ttattgtgat   120

tgaaggacgg agtttatcca taatcttaca aaagattgat gtgctcctca tcaaattgga   180

tacttggtgc ataaaggcca aagatatgac aagcatgagg acattgaatc catcatgact   240

aatttttttt tctagaattt atgcttatga gaataattgt tgtgagaata atcttattca   300

tgatcatatc atgactagaa aacccgtttc ctacatcggt cgaaatggga ttctacatag   360

atgctcaacc gtttttattg   380

<210>   17624
<211>   290
<212>   DNA
<213>   Glycine max

7387

<400>   17624

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ggtgcacaac aagattattt ctcacatcca caaatcgcgc ataaacccac cattcgctga 120

tgcccacctc caactgagct cacgtactcc cacgtagccc atattctcgg ttatctcatc 180

accgggtaca catcaatcct ctcaagcttc cccaacatcc aagtaaaaca ccattccaac 240

cgcacaaact atcacagaca tgacaacaga gcacatgcag ataactctgc   290

<210>   17625
<211>   407
<212>   DNA
<213>   Glycine max

<400>   17625

gtgaacaata tacttggcct tcatttatct gtctttgtgc ttggcggcca cgctcaacaa   60

agtactttcg acacctactg tacgtggatt tcaccaatgc tgttatggga atgttgcaac 120

aatcctttaa aaccttattg atacattctg agaggttcgt tgtcatgttt tcgtatcgac 180

gtccttctct atcgtaagcc atcgtccatt tttcctttga gatgcgatca atccatgttg 240

ctatggctgg actcagatca cgaaattttt ctaaattttg atcaaaaatg tgcttgcatg 300

gagtgtacgc tgcataaaat tagttatgaa taacaatttt aagtataaat gataagtaaa 360

ataaacgtga ccatcatata tgaaatctta cccaatttct tcaacat   407

<210>   17626
<211>   467
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17626

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gaatttacgc gatttaatct attaattcca naaacnaaca cacacgaggg gggtgttttg 120

taacatacat acctcatctt cacnaacnac aacattacaa ttgaaacttg gatgtatacg 180

gacgatatgc tactagtgct gtacgtgagc atcaaatgta gtctcgcgct ctctaactct 240

gagatgacga gtcatgacgt accgatcata tgtcgtgcgg acacgctacg cataaccccg 300

                                7388

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ccgcggtaac gatgattatc tcgaagactg ataaacgata ataaggattt gctgcacatg    360

tagttaaagc tggtttatgc ggagtatctc agggaagggt tgcacgcggc cacgtagaat    420

cgtactgaag agggaatcac caaacggtgg gcgccaaccg gcgaacc                  467


<210>      17627
<211>      252
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17627

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aacaatatcc caacaaaggg gacacgaacc acccgcacag accgcccaaa aagcgaaacc    120

aagaaacgac caacccaaac cagacgaaag aagagcaaca aaaaccaaaa acgagaccgg    180

aaaggaagcc cacccgaaac cagacccaaa acgcaaaagc acccaaccaa gaaagacgcg    240

acccgccaca ac                                                       252


<210>      17628
<211>      377
<212>      DNA
<213>      Glycine max

<400>      17628

tgcttttcta attaacctga aattgagaga actaagtatt tattacctat attcaacata     60

aaatacttat aacactacaa aataaccata aattgggaga gtttgataca atttatacaa    120

gttgtataca caaaagttag tcgttttcac caactaacat ctgggcatgc ggtacttctc    180

aatgaaggcc ctgttaatag ggggccaaat gagctttgtg ggtgagactg ataccttgta    240

aaactggcag aggcctgtga tcaacgctgg aaatcctagt gccctgttga acttctctgg    300

gtccactggg tgtcttggag gtgcaatacc tacaaactgg tagatgacat tcgagataag    360

ctatgctaca tgaacac                                                  377


<210>      17629
<211>      410
<212>      DNA
<213>      Glycine max

<400>      17629
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ttttgtgatt ttgatttgat ttttttttttc ttttttttcctt gtggaaaaca caaatggact   120

gtctcttttc gaaagatgcg acaactcatg caaccttatc ctatccttttt ttgcaaatct   180

cctgggggag ttgcctcaga gtgtatgttc tgtttgactt aattgacaaa tcttagagtg   240

atgacaatgg agccattcgg tatttaaaca atcaattgaa accctagggt ttgtctcccc   300

ccttttttgt ttaaaggcat tgattattct gcacaacaag agaaatataa ggctttatga   360

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<210>      17630
<211>      773
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17630

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caaanacgcn nnnnaaaaaa nnnnanaaag gagannтnna tcgatcgcgn tcgcatagcc   120

ccnncnnnnn nnnatnnnan nnnnacnnnn ngagannaca cacgacaaca ngaaaaaaca   180

cgncagcgga agaccaaacg acgatataca caccgattat cagcagacac accacnacac   240

acnnggcggn gngcaagggt gagagataga cataacaaca cacaccacat cccaccncac   300

anaccaccac ctcaagaaaa aattcgacac acacacgagc aaccacaacc acgaacagtt   360

cccatgcaaa caaccaccac acacacagtc gacaagatga anaaccaaac gatgatcgac   420

cgncaccaca ccaacaacat aacacaatac acacaccatn gacacacatc aacacacacg   480

acaaganaca catagtcagc acaacaccac aaccaacaag atgacactga ccacagagca   540

gaagacaaga cacaacgcga cacacgtcca cccacacgac gaccagaatg ccgaagcaca   600

caacacgcgn ggcgcctcat aacacacacg gacaacacaa ccacgctaga gacaacatag   660

agacaccgca gacacacaaa cgcgagacaa caccagcacc agcagaacct aacaagccac   720

cacaatactg aggagcaaaa cacaacagac aacacgcacc acagcacgac can          773


<210>      17631
<211>      455
<212>      DNA
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<213>   Glycine max

<223>   unsure at all n locations
<400>   17631

ccaatngccc gggcaaacta ctcccaccca aaggaccaac caaannacan aaagggngtg   60

atgatcgtga cacncnnatn annaggcgag caacacgacc acaaccgaca gatcattaaa   120

ccccacaaaa caggggggc gggaacacac cacccacacc acaaccacaa agcaagcaaa   180

aaagaatagc accacccaca acaccaccag gccacaacaa acaccacgaa gaaccagaac   240

aaccacccgc ccgaagccac aacaacccgc cccacaagaa cacagcaaca acgagcacaa   300

aaacgaaaaa acacgcacaa aacacggaca agacacaaca gcacgaccaa gaaaaacacg   360

ccaaagcgcc acccaaaccc acagcgaaac acaaacaccg aaccgaaaaa caacatcaac   420

cccaacgaaa agaccacaca acggacgaaa caaag   455

<210>   17632
<211>   418
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17632

gggggactga cgtcgatgac ancaatcnnt aattagacaa gactcccctc ntcctaacac   60

actatgtgaa atttatttat ttttgtagga gcacccgcgg gggggtgggg tttttttata   120

ctgattcccc cctccaacca atagaagggg gaaacagcga agaggactgc ccggggtgca   180

caatctggac gcaagttggg tggggagcga ggagttgtag ggcactttta gcgtgcgagg   240

agtaagcatc aggcgaggcg cgccgacgtg caggcatgag atatggaggg gtttaggtga   300

gcattatggt accactgcac aaatatctga ggagagggtg gctgactcag gagtatcctg   360

gcggtgtgca gtaagcccga gcccaaaccg gctgagaccc ttgttccgcc gcggctct   418

<210>   17633
<211>   515
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17633

ggaaaacccg agaagagaca gaagaagaaa gaagaaagg aacgagtaga nnaaaaannn   60

7391

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naaagagaaa tgagactcgt agacancnnn anananannn cannnggngg cgataataaa   120

ggcaagaagg agaacgaagt tattttaaaa ggaaacaaaa gaggaggggg caacgataaa   180

aaaatagagg aacaaaagaa gaaacgaaa agggaagata aaataaaaga acgggagaag    240

agagaaagga agagagaaag gacaaaaaaa aaagaagaga aaagagagag agaagagagg   300

aaaaggagaa ggagagaata gaaagaaaaa gagaaaggca aaaaaagaaa cagagaaaaa   360

gaaaaagacg aaaaaagaag caggagggaa aggggggaga taaacgaagg gaagaaaggg   420

ggagaacaaa gaagagagga gacggaagaa aggggaaaa aaaagaaaga gaaaaaaggg    480

acaaaagaaa gcagagggag aagaaagaac gagan                             515


<210>       17634
<211>       451
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       17634

cacgaacccg ctatactaaa acgaggcgac ggaaataacg aggaaannan nnnaaagggg    60

gtgtgatcat gacgccnacn ntnnnnnana gcgagcnaga acatacacac accgacgcat   120

ttattattat tgccggaaaa aaaggggggg aggaagtaca caacacaaaa aaccccaaga   180

cagcgacaag aacgagaaaa gagcgaagcc aacaggccgg aaagcacgca agaactgaag   240

gacgaaacca agcaaaacgc ccgagaaaac ggccacaaac gacaaaccta aacgggaaac   300

acacggcaac aaaggcgacg cagagaccaa caaaaagcag aagagggaca cacacaaagg   360

agcgagcact gagaaaggct cgaccaagac aaaaaaatga gcgaaacagc cccaaaagga   420

cccaagcaac ggaagccacg cacccaccaa g                                 451


<210>       17635
<211>       291
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       17635

accccacacg ccgaaaaccg gcccccannn nanaggattg gctgagcaca aanaaacacg    60

anaacaacca aacccaattt tgggcaaaac ccggggggac caaaaacacc acaccggcaa   120
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7392

gggaaaccgg gaaaacgcgc acggcgcagc gggaaagggc aaccccaaaa ggaaccgcca   180

caacggcaag ggcaacacga agagagggaa ggaaacagcc gcacgcgacc aggccaaaca   240

cggcgggcga cagagcagac ggcacgagga gaggcaaacg cggagggggg c   291

<210>   17636
<211>   374
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17636

cgcaccctcg aacagaacaa acacgggcac aatcacannn nnaaagaaaa tatgtcatca   60

cgcancanaa naacaacagg acgaaaagga caaacgacaa aattgtagca acagcagagc   120

ggggaggaaa gagaacccgc cacgacagac ataagagaac gaacacgcga gcaacggaca   180

aagcggagag gagggggagaa caaggcagac aaagcagaaa aaggaaagaa aacaagaaag   240

acggaaacga aagaagaaaa aacgagacac gaaacaacaa cgaacagaaa caacagcaaa   300

gcgagaaaaa gagaagaaca agaaacacga caacgaagca ccgccgggca aaaagaagag   360

ccgacgacag acac   374

<210>   17637
<211>   398
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17637

aaaacaccag aagaaggcga gacaaaaaca aaaaaaanaa nnnaagagag gatgagctcg   60

agacacantn ntaatacnac gaccnacaaa acaaaccaaa aaaaatttaa acacaaaaaa   120

caaggggggga gaaaaagcga acacccccaa cccagacaaa ccacagcaca aaagaaaaag   180

cagacgacaa ccacaaacac aaaaaccgaa aaacaacaca cagagcaaac caaaaaccaa   240

caagaacaga acaagccaag aacaaaaaca aagaacaaa aaacaggaag aaaccacaaa   300

aacaaaacac accacaaaca cagcaaacac aaaaagagcg cgaaaacaaa caaagacaaa   360

acaacaagca aaaccaccaa cacaaaaacc caaaaacc   398

<210> 17638
<211> 59
<212> DNA
<213> Glycine max

<400> 17638

agcacaaaaa aagccaaaaa aacaccgaat aaataaaaaa ccaaagagag gggaaaaaa   59

<210> 17639
<211> 344
<212> DNA
<213> Glycine max

<400> 17639

ttctttgtga ttccttaata catccttatt aattgtataa ttcttacttc ctaaatctac   60

gttatatact tgttatagga accttataat tctaagtata tatagttgta gtatggtgtt   120

ctgccttaat tgcacagata gtagggttga ttgtgatttc ttgttcttag taatgctaat   180

actctatagt tggatgactc atatcaagtt atatttcata aggaatactc ttttgatcgt   240

actctttatg ttaattgtat gatgttaggc tattttattt cacctcgctg attgaacaga   300

atattattgt aaatttgacg gccttaattt gagccgatat attt   344

<210> 17640
<211> 378
<212> DNA
<213> Glycine max

<400> 17640

tctatagaag gttcgttcct aatttctcta ctatttcatc acctctcaat gagctggtga   60

agaagaatgt ggcatttacc tgcggtgaaa aacaagatca agcctttgct ttgctcagag   120

aaaagcttac taaggcacct gttctagctc ttcctgactt ttctaaaact tttgagctag   180

aatgtgatgc ctctggagtg ggagttggag ctgtattgtt acaaggtggg caccctattg   240

cttatttttag tgaaaaactt catagtgcca ccctcaacta ccccacctat gataaagagc   300

tttatgcctt aataagagcc cttcatactt gggaacatta ccttgttttc aaagaatttg   360

tcattcatag agatcatc   378

<210> 17641
<211> 587

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17641

ataacccgca cctcattcgg tctgtaccaa gatgntgtaa caaaaatgca aactggaaac   60

aaaannnaaa gagggatgag actcgtagac aacnanataa anaannnacn nccggnngga   120

cctaaagaga ccaccggcac gcacgcattc actaaagaaa accacatgca tcagagagcg   180

gggggaacca cagctggcac ccgaacacac aaaacacaag caccatggcc gcaaagaaga   240

caagcgcgta atgcagcgac ctcctgcgac acacactcac caccaagacg ccatggcacc   300

ctaccgaagc cagcgaaccc gaggaagcaa aacagagcca gacccggaag acaaacggga   360

gcgacacaag acacaacaag acacttgctc aaaccagacg cagcgagaaa tccaccacag   420

acaaagacaa caagcgaaca ccggcaggaa cacataccag cccagaacac gagaaacacc   480

caaatcgaga aacggcccaa acatacgcaa agacaacagc agcgactcac cgcaccacaa   540

aaacgcgaag caccgcgacc aacactagca cacccaggaa caaaacc   587

<210>   17642
<211>   479
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17642

gaaagaacca gacagaacga aacagagcgg acatagatac naacannaan aannnaagag   60

aggnatgaga ctcgagacaa cgctattnag cacaccgcgg gaacacagaa cccccgcgac   120

accaattcta ttaaacacac caccaaaggg gggagagaga gacgaaaacc ccacccacac   180

caacctaaaa gaggcaaaag cacacaccta caggggaca aaaaaaccca aacacaaaaa   240

caggcaaaca ccaccaacag acgaagacaa caactacgaa cgcaggcaac aatcagacca   300

cacaacaacc acaaagcacc gaccaaaacg caaaaagaca ctacacaaca ccgaaacaga   360

taaaacagca aacactacaa aaacaacaca ccacaacaaa ccgcactaaa cccgaacagc   420

acacgcagca gaacaccaaa caagacaaca aacacaagag gacaagcaca cacggaacc   479

<210>   17643
<211>   424

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17643

gataatacga tgtgtcgtac tgtacaatta gnanaanaca ngnaanaaaa aaatggtaca   60

acaaaacaaa attttcttta tgaaaaacga gcaacacggc gggagtttta aatggaaagg   120

gccaccactc actggaatac cagaatgcca ttgtaaactg aggcgagaca gtaaggaaat   180

ccggaagcca tccaaatacg gccttatata cccaccacac taaacgaaaa ctatataggg   240

tatcccacct atggcacgcg tgcaaaagaa ataccaaaga tcaatggcgc gaagaggata   300

aagacgacga caaccaacca caagccaaaa ctaaaaccac agtcctggaa ggatgaaatg   360

acagagccaa caggagaggt ccagaaagta aaactttaaa acacatctga gggcagcgac   420

gtcc   424

<210>   17644
<211>   380
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17644

ggccaatgat cctcgacctc acaatngaaa aaaccacgnn attgaaataa ttttcgaata   60

atattttttt tttttgacga acacgagggg gtggggtttc tgtcccacct tactcagatg   120

actagggaaa ctacgagaga cgttcgcgaa agattagccc aagtcgggcg atacggctca   180

tggcctggcg catagtatgg acacatgttc ccagacggac aaacaattca ataaagagtg   240

aacgcaacca tcgatagaaa accgtttaac gtactcttga gtaattgtaa gaggccagca   300

tctaatcgcc cgctggttac agatatttgg cgaaagacgg catttagagg ccaatatgct   360

gagagtactc ggcatgaacg   380

<210>   17645
<211>   294
<212>   DNA
<213>   Glycine max

<400>   17645

cacaaaaaaa aaggcaaacc ccaaataaaa caaaggaatg agccgagacc ctataaacac   60

```
aacaaagcca caggagccta taaaccgacc ggaagggggg gaaaaaaccc aacacccacg   120

cgcaaaaacc aaccacagca accccacac cacagggcaa aaaagaagg aaaggacaac   180

cgacagcacc aacaaaccaa caacccgcgc acgcgccaac cagacagaaa acaaacaaca   240

ccagaacaac aaaaaccaaa aagcagagca aacaggcacc caaaaacaca acac         294
```

<210>   17646
<211>   430
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17646

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gggatggcct gagcctgaaa tctgcaattg taagncccat tataatggac aaaaaagatt    60

ttttttttat cgaaaaaaac ggggggaggt ggaggtatta aactccttac accgatgtat   120

aatggatcta gggatatgta tgtaaagact tgaatggaga tatgtgggat tgttaacgga   180

agtcatttgg gtgaatagat agacgaaagt tagaagtcgg attataaaat gatatgtatg   240

agagaaatag ggtctactga tcgggatgga aatcaagacg acatcagata gacttgttgt   300

cttgcactaa gtcgatgata aaagaaaagt atgagcgtgt gctgaacaca agtgagatag   360

gggaatataa ccagtaagta cgggattgga caatgtgaat gctgctaatc ttagataact   420

acttgatacc                                                          430
```

<210>   17647
<211>   231
<212>   . DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17647

```
acaccaaaag aagcaaaaga caaaaaaaga taccaaccnt ataancggaa acaaaaaaca    60

tattacaacc cagcgcaaaa aaccccacaa aaaaacaaaa aaggaaaaaa aaaacccaaa   120

aagaaaacca aacacaaaac acacaaacaa aaacccaaaa aacccaaaaa cagaacaaaa   180

ccaagagaac accagaacac aaaaacaccc aaaccgcaaa cacaaacaaa c            231
```

<210>   17648
<211>   414
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<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17648

caccaccccc aaacacaata cgcaaagcac ccaacaannn nnnnaaggaa ttgatcacga    60

tgcacctaat agaacnccaa aaaaanacac aaacaatatt cttacacaaa caaagggggg   120

gggagagaaa acagacaacg acacaaccaa aaaccgaacc aaaccacaga gaaacaacca   180

acaaacacca caaccagacc caccaaacaa acaccacccc acaacacaac acaaaacgaa   240

caaaacaaac acacaaaaac aaccgcaaaa gacaaaaaca cacagcaaca ccagaccaac   300

accccacaaa acagcaaaaa aacacgaaaa aaacgacaaa aaaaaagaca acagcacaca   360

aaccacagaa tcaccaccac aaacacaaaa aaaccaacac acaaaacacc agcg          414


<210> 17649
<211> 301
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17649

gtgcatgtgc tgtgacncnt tataaaccnc ggggacaagg ttataaatca gttatttttg    60

gaaaattgag ggggtgttaa aattaactgc acagaaggaa ataagggaaa ggggagagta   120

atggaatagt tggaagtagg gaaggtgaag gacattagtg aataggtatg ggtgtggaag   180

gttaatggag atgatgggtg agtgttgggt tgagaaattt gggtattgac aatacgggag   240

aattagtcat gtcaatgtaa agttatgttg attaaggaaa agagaaaatg gagagcgagt   300

g                                                                    301


<210> 17650
<211> 702
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17650

gatctaacag taacaannta ctcaacgana tcngtcaccg gttgntacac ggaccncgaa    60

ttnttcaatt aactctcctc cccnccaaaa annnnnccnc aggagangan nattgatcgc   120

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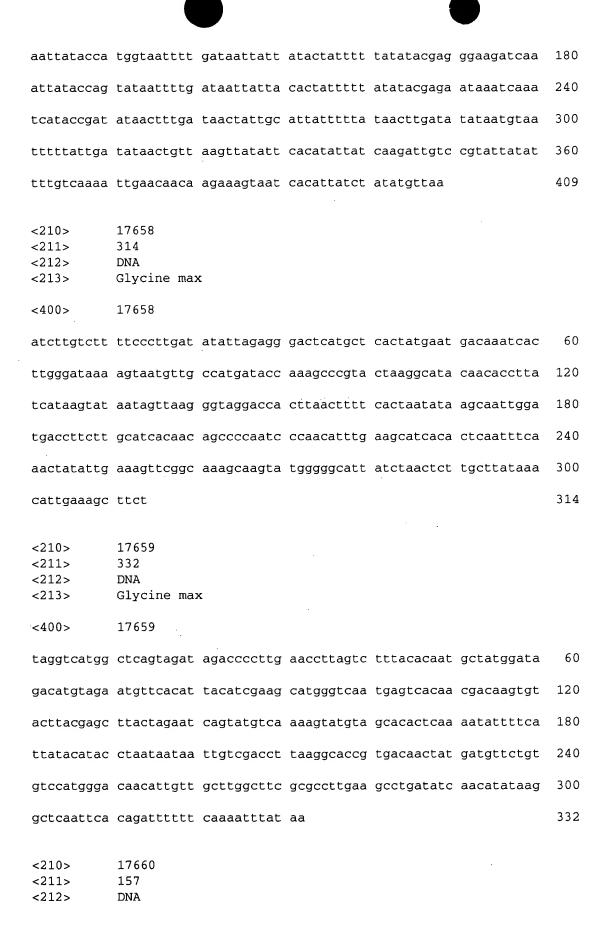gatcgatang nacanacnna nttcanntna anannnaccn gccaaaacca naaaacacaa    180

naangncgca cgcacacacg cggcacagct tatttgccat ttcgatatga cacgacgaac    240

aaacggacgg aggaagcgcg agcatactat aaagcacact antaacgccc aacaccanac    300

acgaagtgan atgacaacac gacacacgca ggcgangnag cacactacac agacagagca    360

gagacactga acacaacaca antgcgaggc aacacgaaga caagaaccca cccaccacga    420

gagacaggcg catagccaca ccaacacaca catgaaacaa gagggatacc acccacgagg    480

atgtaaccac acggacaaca ctcaccgaan gtcacacaaa caaatgacga acacgacaga    540

cagaacgaga ctgcgaaatg cgacacgcaa catgaaccgc gacacanaac acaatcaacg    600

cgctgaacgc aacacgagac gacgccacac acgaaacaga aanccaaacg aganaccgat    660

ccgcacgaca caccaaaaga gacacacgga cgaaaagaac ag                      702
```

<210>   17651
<211>   468
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17651

```
cccaccaacc catagacata gagacacaag cgcactccct aanaannana aagaggatgt     60

aatcgatgag ncantcnttn gattacaacc ngcgatcaaa naaaaatccc aagagaacac    120

tttttttacac aacagccccc cagggggggg gtacataata gacaccccac aaaacacaca    180

ggaacgaaac aaacgcgaga acgcctatca acagcaaaag acacgggaac cccactcaac    240

gaagtgagac aactagaaga aaaagaggag acccacacaa aggcgagaaa aagaaaatga    300

cacgaaaaaa acacccgcca aaaatgggaa caagcacacc ggaaaacgaa acgaagagca    360

aagtccaaca taagaagaaa gaaagattaa aagggcctgt gaccaaaata cgcgacaaac    420

agagcgcgca cagaccaaaa aaggaaggaa cccgaacaca cggccgcc               468
```

<210>   17652
<211>   456
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17652
```

```
atgggattga tgctgatgtc ttgannaccc aaatatagaa aacccccgga gataaattcg    60

cgngtacaaa actttatttg atgattcatc accaagacac tggagagatg ggggtgttgt   120

ggaattatac acctcccct tatctacttc tggggtaata ttatcggcgt gaactgatca   180

cgtgtatata tcactgcctg aaagtaagta attatagtgt gtagtaatta gactggatgc   240

atgagcctgg aatcacctag atgttccaca ttactatcat gtgacttgga actatccaaa   300

tatcatgtaa aaactaagga caatataagg atagtggttt aagagatcac acatatgtga   360

cctgagcacc atagatgtct aaacatctga agaatcacgg atacgatcgt aagaaccatg   420

tgaattaatc gtctatgaga atccgcctga tgatcg                             456
```

<210>   17653
<211>   350
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17653

```
ggataatatg aatgtctctg aaacacnaat tggaaaaccc gggtcttcaa aaattacgaa    60

ttattttttt tacgancacc cgggggggggg cttttgatcc atcccccgcg agttaatact   120

ggaattactt gacaccaacc aaagttaggg actcaacagg ggacgaataa gtactgtcgc   180

gccaatcatg cgacagacgg tcacccgcgc tgcgggttag caccccgga aaacgacatc   240

cgcacatact ccgcgaaggg cgacggacag agtaacgtcg aacgggggc acactgcatt   300

gaccgctgta gtgtcatata ctcagtgatg tgagcaaagg agggtcagtg             350
```

<210>   17654
<211>   217
<212>   DNA
<213>   Glycine max

<400>   17654

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ttctttcgtt ttcaattact tgtgtctcga tatcctacgg gacacaatcg gacatccgag    60

tcaaaagtta ttatcgtttg acttttctta gagctcccga gttcaatttc tagcgtctcg   120

atatattaaa gggctcaatc ggacatccga gttaaaagtt attgtcgtta gacttttctt   180

agagctttcg ttgtcaattt cgagcgtctt gatatat                           217
```

7400

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<210>      17655
<211>      390
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17655

ntggagtttc caagtgccaa ttcgtcctct tctttagtcc attcttcttc tggcttcaat    60

tcatcagtgg gctttccttc tgtgtccagc atcttgggat gttcccagcc tttgatgaca   120

gctttccagg ttctgctatc cagtgatttg aggaaggcca ccattcttgc tttccagtat   180

tcatagttgc ttccatcaag aattggtggt ctgttcactg gtcctccttc tttctccatg   240

ttcatcagaa tttatctccc cagatctcac tctgtgattt cgagtgttgg ctctgatacc   300

aattgaaatt ctgataccag tggacagatg tcgtacagga tgtcacgaca tcacgcttca   360

aacatgcagt ttatgtgtgt ccgtatgaac                                     390


<210>      17656
<211>      350
<212>      DNA
<213>      Glycine max

<400>      17656

atctttgatc ggtaatttgc gaccagaggt cgttaagctc gtctctgctg atcttttcaa    60

ccttcagtct acgtctacga ctcagcgcgt caaatagttc cagagcgaac tccttagagt   120

ccttcatccc ttcaaaaaat taaacaaagc atacaaaact cttcaaacaa ggagtgaaaa   180

tgacaaaccg attaaatgca catgcgaaac gcaagaatct gaactgaaat ttgaaaagga   240

atcgtaccta tgcattgcgc aaaatcagtg cgagaaagat aaccgtcctt ggcaagacta   300

tagaaattgc tgtgcacctc gttccacgcg ttagcgccat tggatttact               350


<210>      17657
<211>      409
<212>      DNA
<213>      Glycine max

<400>      17657

tcatatatat atatattacc ttgcctacat ccgttcttat actatgtaaa aatgatctat    60

atatcaaatt ctatctatcc tttcgtttgt tatcaatctt atacacacaa tgacatatca   120
```

```
aattatacca tggtaatttt gataattatt atactatttt tatatacgag ggaagatcaa    180

attataccag tataattttg ataattatta cactattttt atatacgaga ataaatcaaa    240

tcataccgat ataactttga taactattgc attattttta taacttgata tataatgtaa    300

tttttattga tataactgtt aagttatatt cacatattat caagattgtc cgtattatat    360

tttgtcaaaa ttgaacaaca agaaagtaat cacattatct atatgttaa              409


<210>      17658
<211>      314
<212>      DNA
<213>      Glycine max

<400>      17658

atcttgtctt ttcccttgat atattagagg gactcatgct cactatgaat gacaaatcac     60

ttgggataaa agtaatgttg ccatgatacc aaagcccgta ctaaggcata caacaccttA    120

tcataagtat aatagttaag ggtaggacca cttaactttt cactaatata agcaattgga    180

tgaccttctt gcatcacaac agccccaatc ccaacatttg aagcatcaca ctcaatttca    240

aactatattg aaagttcggc aaagcaagta tggggcatt atctaactct tgcttataaa    300

cattgaaagc ttct                                                     314


<210>      17659
<211>      332
<212>      DNA
<213>      Glycine max

<400>      17659

taggtcatgg ctcagtagat agacccttg aaccttagtc tttacacaat gctatggata     60

gacatgtaga atgttcacat tacatcgaag catgggtcaa tgagtcacaa cgacaagtgt    120

acttacgagc ttactagaat cagtatgtca aaagtatgta gcacactcaa aatattttca    180

ttatacatac ctaataataa ttgtcgacct taaggcaccg tgacaactat gatgttctgt    240

gtccatggga caacattgtt gcttggcttc gcgccttgaa gcctgatatc aacatataag    300

gctcaattca cagatttttt caaaatttat aa                                 332


<210>      17660
<211>      157
<212>      DNA
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<213>   Glycine max

<400>   17660

ttctttcttt gcggtggtgc tatgaccaac gatgatcatt aatatgaaga gaacggaata   60

tcgtggtggt gtgaaaagct tgagctgtga agagaagtga ctgagtgagg ttatttaagg   120

ttattctaaa tgatgacgtc tatttgggtt aatttac   157

<210>   17661
<211>   298
<212>   DNA
<213>   Glycine max

<400>   17661

tgggttaaaa accacccctc accctatgcc ttttattttg caatggtcga atgacaatgg   60

tgaattggtt gtggataaac aagcatcact tacattcttc ataggaaaat atgttgacga   120

tgtgcttcgt gatatggttc ccattgaaga ctaacatgtg ttgcttgtac gaccttgtca   180

ttatgataga gatgctgttc acaatggggt caccaatcaa tattctgtct tccataaatg   240

taaaaaggtt gttctctcac ctttgcctcc aatgaggtgt gtgaggatca tctaaccc   298

<210>   17662
<211>   387
<212>   DNA
<213>   Glycine max

<400>   17662

ttctatgatc caaaatccta actcaccata aaccttgacc cagggcgaga atgtcaatcc   60

ttaccctcgg aagcaaaaaa aaaaaaaaag caaaaaaaag aaaagaaagg aaattcccaa   120

tcaaagagtg ggagagagca aaagaaaag aatggaaatt cccaatctaa gagtgggaga   180

aagcataacg aacagaaaga aaattcccaa ccaaagaatg ggagaaagta aaaaggaag   240

aaagacaagg aaggagagaa agttcctgat caatgaagca taaaatatgt gcagaaaggt   300

cttttgacca tacaatatct gaacaataca gatttggcac caatgaaca aaatgaatga   360

aaggaaacca tgacctaaag tggtctt   387

<210>   17663
<211>   407
<212>   DNA

<213>   Glycine max

<223>   unsure at all n locations
<400>   17663

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aataaaagag ggagagaagt ggaactttga agtgtgtctc ataagacttt cattcatcaa   120

agttacaaca agtgttacac atgcttctat ttatagacta ngtagcttcc ttgaaaagct   180

ttcttgagaa aaattccttg agaagcttct ttgagaaaac ttccttgaga agctagagct   240

tagccacaca cacctctcta atagctaagc tcacctcctt gagatgagaa gctagagctt   300

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naanaaagtc tctactacaa agactattca aaatgccttg aaatata   407

<210>   17664
<211>   128
<212>   DNA
<213>   Glycine max

<400>   17664

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tatttgaatt aaaagataat tcatgctact cttataatgt ggtgtacaac taacaaaatt   120

aattttat   128

<210>   17665
<211>   408
<212>   DNA
<213>   Glycine max

<400>   17665

agcttttaca tgcatgttca caccatacat actattcttt atcaactgat gcaatctatt   60

ggatggaaaa gatagtttat attactcttc taatgtagtc gacaactaat aaaaatgtaa   120

cagacagtag tgcttaagcc attcaaatca agtcattgtg aatctcatca ttactatcat   180

gcatctcaaa gagaatgaga atcatgcatc gtaatgcata gcacaacaaa acattaaaag   240

aaaacatgtc ttctaaagcc aaccaaggta aaaatgtatt tatatttgtg aacttttca   300

caattataac acatatataa aaacatggtg gaacatctga ccacatgcac aacacattcc   360

acacattatt attgaaaatg agtcggaagg gaatataata acgcattg   408

<210> 17666
<211> 361
<212> DNA
<213> Glycine max

<400> 17666

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ccggactctc agccacttat gatagccgcc gatgctccca ttactgcttc ccctaagctc   120

tttgtccttt cttcacgccg catcccatgc cttgggaact ccttggagta ccctcgcgtt   180

gtggtcacta aaaccccgtg cgatgaaagg cgtgatgctt tcgtctaatg gcgctcctct   240

catggggtag ccaagagttg gtgcacaaca aacaatactt gcgccgctct tttcacatcc   300

ccggtcgaac gtgtcataca tggccaaaat ggcgacgacc tgggctttct tgccatgatg   360

a                                                                   361
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<210> 17667
<211> 407
<212> DNA
<213> Glycine max

<400> 17667

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tcaagccaaa tggacttacc ttgaattaat ttctttgata acccctttga gcctatgttc    60

ccctttcttt gttttgaagc tcattacaag ccttaagtga aaaaccatga taacacctta   120

cccttaaaga attttggagc tttggaattg ttttgggaat aagtgtgggg gggtatgttt   180

cattggaaga tatgattttt ggccatgatt aatgttttat tttggccatg gttgatgtat   240

atatatattg cctagatctt gctttaatct tcaaattcgt actgtctaaa aaaaagagaa   300

aaaaaatgaa aaaaaaaatc aattgctgca aattctgcag attctgtctg ttcaaaaaat   360

acaaaaagag aagaagaaga gatgcgaagt tgaataaatg atgtctt               407
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<210> 17668
<211> 349
<212> DNA
<213> Glycine max

<400> 17668

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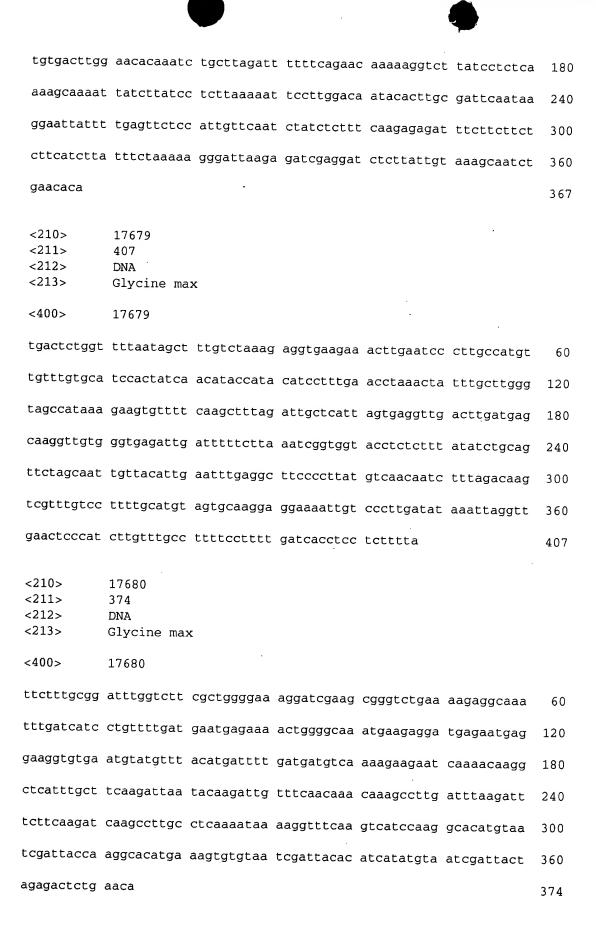
aaaactatta tttgtgatta tatatttata tatttattgc aatgtgttat ctaatatatc 120

taatgtaaag gagtagtata tggagaaaag atgtacattt gaccgctctg agagagagaa 180

aacaaattaa aaactctctc tggtattttt tgattattat aaagatttgg gacttgaaaa 240

aaaatctaaa cacaaaataa catgtagatc ttattgcttt gagagagaga ataaaataac 300

gaactctttc tatacccaac gatataagac tatactatga aagttacac 349

<210>   17669
<211>   393
<212>   DNA
<213>   Glycine max

<400>   17669

tgattcatga ttcaattcat gtatctttcc attatccacc gaaatatcac taccaccaac 60

agctctcttg atggagcttg ggtatttcat taactgacca ataccaaaac cagaatttat 120

tttaacacca gagtctttag caaagttcac cccctttatca ttgttcaaac atttattggt 180

ccttatgccc gaattggttg attgtcttcc tgtgtggccg taatcagaat acagtttctt 240

gggcatgata gggctgccat cattccacaa attttcacta gtttttgtct ttcccccata 300

ttgattatca aattgcagaa atggtgaaaa ggataaaccc ttggccacat ttttagtttc 360

tgatctagct ctagcagaag cattaaccac agc 393

<210>   17670
<211>   335
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17670

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acttgtatgt aaatgattac cagtaacgga actaaaaaaa ttcaaattga aaaggcatga 120

cttctcatta cataactgtg taatcgatta ccaaagaagt gtaatcgatt accagtgagg 180

aaattataaa agttactctg aaaagtcaca tcccttcata agttttcgaa aaaccaccaa 240

gggcctatta atatgtgact tatctatgat agttttgaga agtttttcaa aaccttattg 300

tcttatcctc tcaaaaacaa atcattggcc aaaca 335

<210> 17671
<211> 392
<212> DNA
<213> Glycine max

<400> 17671

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tgtatccctc ttgaggggtt ttctattggg tagctcttct tgtgtctcct ttgaatgttc   60

accatgatat aattggcaag ttttcttgga agtaattggc actgaagtgg aatcctcaaa  120

agacagaatg caagactttg gtttctgtgg agaagcatgt tgtttgagac ttgtcatatc  180

aaagctagtg ttgatctctt ccaaagatga agaattgctc aaaagggtgg ttctttcttt  240

tgtgagatat gaattagggg agtgattttc ccatgagagt tctccaggat ccactgaatt  300

ctctccctcc aatggttctt caacagagtt catgtcacat tcagtggata aatgataatc  360

attattgtcc tgcaaacatt tcaggaataa ag                                392
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<210> 17672
<211> 377
<212> DNA
<213> Glycine max

<400> 17672

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tgtttttatc caaatggact taccttgaat taatttcttt gttaaccctt ttgagccttg   60

attccctttc cttgttctta tatgctttac tttgcaatga atatccaaga aatatgcctt  120

catcagattt tgcatcaaat tttcctagat tatctttacc attgatgtgc catcattttc  180

ttctatttct taaacccttt ttgcaccatt ttaattactg attagtctta attgtcaaat  240

taattaggca attttattat ttgggctcat ttagctaatt tgatgtgttt aatctaattt  300

caggaattaa tgaaacattg tgcttaatcc ggattttggt tgtggacttg atgagggaaa  360

ataaagcaat gcttacc                                                 377
```

<210> 17673
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17673

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ctcagctttc ataagtgaaa tcaggtgtag ccatctcctt ttagtcctct cacgaggtgg   60
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aggttgagcc atgttctcag tatgaaaatt agtagttgaa tgctcaaaat tagaatattc    120

agaatcacca gcaacagaat acttagaatg ctcaaaatgc tcaaaatgca caaaatgacc    180

aggatgcaca ctatgcctaa ctaatctatc aatggttcta tctatttcaa gatcaaaggg    240

ttgtaaatca cctacattgc ccctagtcat gcactctatg cagcanatca tgtgtttctc    300

acacaagcac aaggggaggg ttaaaactac aactatagtc aaagatatcc aaatgagctg    360

aaattntgtg agcaacaccc ttaaatcatg aatagatagc acanaaattt tc           412
```

<210>   17674
<211>   329
<212>   DNA
<213>   Glycine max

<400>   17674

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ttcttaaaca ttcaatttcg agcgtctcga tatattatgg gactcaatca tacatccgag     60

taaaaagtta tcgtcgtttg aatttgctca gagcataaac attctatttc gaatgtctcg    120

atatattacg ggactcaatc aaacatacga gaaaaatgtt attgtcgttt gaatttgctc    180

tgagcttcaa cattcaatct cgagcgtgtc gttatatcac gggacttaat cagacatccg    240

agtaaaaagt tgttgtcgtg tgaatttgct caaagcttaa acatttttat ttcaatgtct    300

cgatatatta cgggactcaa tctaacata                                     329
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<210>   17675
<211>   405
<212>   DNA
<213>   Glycine max

<400>   17675

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ttgagccaaa atcctgactc accatatacc ttgttcatgg tgagaatgcc aatccttacc     60

ctcggaatca aaaataaga agagaaggaa aatttccaat caaaggaaaa aggagaagga    120

aaatttccaa tcaaaggaaa ggaaattccc aatcaaagag tgggagaaag caaacagaaa    180

agaaagaaaa ttcccaatct aagaatggga gaaagaaata aagagaagta aaaagaaga    240

aagctcctgg tcaaagaaac caaaagaaat gtgccgagag gtccttggac tacacgatat    300

ctgaacaata cagaattgtc accaaatgaa caaaagacag ataatgaaac catgacctaa    360

aagtggtctt ctccctttga ttaccaacca aaatcctgtg cgcta                   405
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7408

<210> 17676
<211> 303
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17676

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attaacaaac gaccgtttgc ccatcggtat gagggtgacc actggttgaa ataacaatt   120

tagtgcccaa cttgctccac aaagtcctcc ataaatggct gacgaactta gagtccctat   180

aactaacaat gctccttggc aaaccatgga gtctcacaat ctccgtgaaa acaaatcagg   240

cacatgggaa gccataataa cttgtttaca tggaataaaa tgagccaatt ctaaaaacct   300

atc   303

<210> 17677
<211> 315
<212> DNA
<213> Glycine max

<400> 17677

ctcagcttga gtaattaaac gacaataact tttttttttt gtccgattga gtcccgtgat   60

atattgagac gctcgcaatt gaaaacagaa actttgagct tattggaacg acaataactt   120

ttgactcaaa tgtccgcttg tgtaccttag tatatcgtga cgctcgcaat acaaaaggga   180

agctttaaga aaatcaaacg acaataactt ttaactcgga tgctggatag agccccgtaa   240

tgtatcgata cgctcgatat tgaaacagaa ccttgagcaa ttcaaacgac ataacttttg   300

attcggatgt ctgat   315

<210> 17678
<211> 367
<212> DNA
<213> Glycine max

<400> 17678

atcttgtaat cgattacaca agtcttgtga tcgattacta gaggagattt tcaaaaaata   60

atttccaaga gtcacatctg ttcaaatggt ttttgaatgg ccatcaaagg tctatttgta   120

7409

tgtgacttgg aacacaaatc tgcttagatt ttttcagaac aaaaaggtct tatcctctca   180

aaagcaaaat tatcttatcc tcttaaaaat tccttggaca atacacttgc gattcaataa   240

ggaattattt tgagttctcc attgttcaat ctatctcttt caagagagat ttcttcttct   300

cttcatctta tttctaaaaa gggattaaga gatcgaggat ctcttattgt aaagcaatct   360

gaacaca   367

<210>   17679
<211>   407
<212>   DNA
<213>   Glycine max

<400>   17679

tgactctggt tttaatagct ttgtctaaag aggtgaagaa acttgaatcc cttgccatgt   60

tgtttgtgca tccactatca acataccata catcctttga acctaaacta tttgcttggg   120

tagccataaa gaagtgtttt caagctttag attgctcatt agtgaggttg acttgatgag   180

caaggttgtg ggtgagattg attttctta aatcggtggt acctctcttt atatctgcag   240

ttctagcaat tgttacattg aatttgaggc ttccccttat gtcaacaatc tttagacaag   300

tcgtttgtcc ttttgcatgt agtgcaagga ggaaaattgt cccttgatat aaattaggtt   360

gaactcccat cttgtttgcc ttttcctttt gatcacctcc tcttta   407

<210>   17680
<211>   374
<212>   DNA
<213>   Glycine max

<400>   17680

ttctttgcgg atttggtctt cgctggggaa aggatcgaag cgggtctgaa aagaggcaaa   60

tttgatcatc ctgtttgat gaatgagaaa actggggcaa atgaagagga tgagaatgag   120

gaaggtgtga atgtatgttt acatgatttt gatgatgtca aaagaagaat caaaacaagg   180

ctcatttgct tcaagattaa tacaagattg tttcaacaaa caaagccttg atttaagatt   240

tcttcaagat caagccttgc ctcaaaataa aaggtttcaa gtcatccaag gcacatgtaa   300

tcgattacca aggcacatga aagtgtgtaa tcgattacac atcatatgta atcgattact   360

agagactctg aaca   374

<210> 17681
<211> 371
<212> DNA
<213> Glycine max

<400> 17681

tgctgttagg atcaccgatc tttggttcgt tgggtctctc taacaagtct gagcaagcgg   60

aaatggtttt tgttgattct gaggtatatt ttgtgctctc tatttgattg ttggattgtt   120

gttgatgtca tttattgatt atatagtttg catatttcag ggtgatcaaa ttcatgctat   180

ttgtaaatcg gaccacctca agtcttggaa agctgatttg aaagagaatt tcacttatgt   240

tatgcataat ttcaaagttg ttaagaatga tggtcaattt agattgtgcg aacatgagta   300

caagttattt tttattggag tgacggttgt tagagaagct gatttgcatg aactgtcttt   360

taaggaattt a   371

<210> 17682
<211> 252
<212> DNA
<213> Glycine max

<400> 17682

ttctttcttg tattatgggg tacccatcac atgtggtact atgtggcggt ctgtccatgg   60

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accttcaact gagctgacgt gctcacacat agaccatatc ctcgtttatc tcaacacctg   180

ttccccatca atccttccat gctttcacaa cattcaagcc aaacaacatt gaccctgcac   240

aagctatcac ag   252

<210> 17683
<211> 384
<212> DNA
<213> Glycine max

<400> 17683

ctgggatgcc gtattgaaag tgaatctttt ttcattttga atctccaata taggtataaa   60

atgcaattca atgttgaagc ataaaaaaac tggatattaa taactaaata atggtgaaaa   120

caacacaatt agcgaagcta aaaggctaaa tatttaaaag taaatgattg ttcaacatgt   180

```
aaattaacaa accatcattt taaaacccag aaaatacaaa ttaaaattca gtcactattg    240

ttgtcgcccc aatttttttt gtgttctaat aacaatttcc caaattgtgt catgaggcct    300

ctggtaaaat gagagttcgt atccactatt gttgggtgag atcaacaatt catacatgca    360

ttctagatgt taatagggggt ctat                                          384


<210>      17684
<211>      339
<212>      DNA
<213>      Glycine max

<400>      17684

ttctatcctt gccccttgat atatgagagg gagctttgtg aactatgaat gacccattcc     60

ttgtgatata ggaaatgtgg ccatgctcac aaagcccgaa ctaatgcgta caacttctta    120

tcataagtta aataggtgag ggtgggacca ctcaactctc cactaaaatg agcaattgga    180

tgggctctct gcatcaacac aaccccaatc ccgacatttg aagcatcgaa ctcgattacg    240

aaaaatcctt gaaagattcg cgacgcaagt atgggggcaa taattaacat gttgcttaac    300

aacattgaaa gcttcttcct gtttatctcc ccatttgaa                           339


<210>      17685
<211>      401
<212>      DNA
<213>      Glycine max

<400>      17685

gggtacccca tgttgaatat gctgaccaaa gatctgttta tagcaccact aactgtcctc     60

cgttggaagt tgtttatgga tctaacccac taactcctac tgataattcg tctatgccta    120

atgtctctat tattaatcat aaagaaggtc aatcaaaggc gaactatgtg ataaagactt    180

atgaaaaaag ccgagatcat attcggagga aaaattaaag ctatgctaaa caagctcaca    240

gagggagaaa gacagttgtc ttcgaaccca aatattgaga ttgggcgcac atgaagaaag    300

caaggtttcc ggaacaaacg aaatcatcac attaacctaa gggagatgga ccatttctag    360

tgcttgacac agtccaagac aatgcctaca acagtcgacc g                        401


<210>      17686
<211>      352
<212>      DNA
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<213>   Glycine max

<400>   17686

ttcttgtctc agcgtgtatg cgagacggag accaacatgc tagctatcat cgccaagtac   60

caagaagagt tatgtctagc cgcggtccac gagcatagga ttgcggacga atatgcccaa   120

gtatacgcgg aaaaagaggc tagaggaagg gtgatcgact ctttacacca agaggcaacc   180

atgtggatgg atcggtttgc tcttaccttg aacgggagtc aagaacttcc ccgattgtta   240

tccaaggcca aggcgatggc agacacctac tccgtccccg aagagagtca tgggcttttc   300

ggctattgtc agcatatgat agacttattg gccacataat tagaaatcgg ta   352

<210>   17687
<211>   423
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17687

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gcgagatagt tgttggcagt gatattattg accagccctc cgaaaccttc taccgagatg   120

tcttgggcca catgggcctc attcagaact tttactagca gagcccgatg aggctcggag   180

ctcatgagta actccaacag cgagaccctg gctggagttt tgttgagctg ttcgataacc   240

ttgaattcgc tctgctgaat tatacggagg aactcactgg cttcctctag cgacacctcc   300

tttttgccat cccttntctc cggaagacct ttcgccggaa tatctttatt cgaagcgagg   360

ggtgcttcgt catcttgttc ctccaccact tttccttacc ctagacgttc gcgggttgga   420

ctg   423

<210>   17688
<211>   368
<212>   DNA
<213>   Glycine max

<400>   17688

tcatttctta agaataatgg cctcatcgaa cgatttattt cctgaaggga attcaataaa   60

tatacctcct attttcaatg gagtgggtta ccattactgg aaaacccgta tgcaaatttt   120

tatagatgca atagatttaa atgtttggga tgcaatagaa gtatggccct atattcccac   180

7413

tatggtggct ggaatttaaa ccatagaaaa gcctaaggaa gaatggactg aagatgaaaa   240

gagattactg caatacaaca tagaagacac aaatataatt acgtatgcct tacgaatgga   300

tgagtactct aaggtatcaa attgtaaaag tgctaaagaa atgtgggata ccctacaacg   360

tacacatg   368

<210>   17689
<211>   402
<212>   DNA
<213>   Glycine max

<400>   17689

tgtgtgtccg gtgtgcatga agtcatggac tctattatca atggtgttta acctggttaa   60

tatgaatgcc aaatatggat ggagtgacaa aagcttcact atattgctta atgtaatgca   120

acgtatgctt ccagaataaa acagatcgcc aaatagttac tatggggcaa agaagatact   180

gtgtccgatg agtatggagt attagaaaat tcatgcatgc cttaatgatt gcatgctgta   240

caaagatgag tttgaagata tgcataaatg ccctatgtgt gctgtatcac agtacaaagt   300

gatagatgat acaaatatag cagtgatgaa agcatatacg aagacccccc tatgaagatg   360

tgatggtatc ttcctatcat tccaaggtgt aagcatctat tt   402

<210>   17690
<211>   377
<212>   DNA
<213>   Glycine max

<400>   17690

tcattcttgt tcactaaaga aaaagtatca gagaaatcga ttccatcttg atgagtatat   60

cctttggcaa ccaatgagct atgtatctat ccacagagcc atccatttta tatttaacct   120

tatacatcca gctacaacct atacaatgct tatcaggtgg taagggaaca agtgtccagg   180

tggaatttgc ctcaagagct ttgatttcct cattcattgc ctgacgccac tcaggatagg   240

gggcagcttg atgataaaat tgaggttcat atacaactaa aatctggtta atgagagctc   300

tgtaagggga gctaagagcc aataatgaac aatgatgctg gatcggatat gcaatcttag   360

atattggtgt aacatag   377

<210>   17691
<211>   380
<212>   DNA
<213>   Glycine max

<400>   17691

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tgctgcccaa gtttcacggt cttgtaggtg aagatcctca taagcatctt aaggagttcc   120

ttattatctg ttccaccatg aagccccctg atgtccagga agatcatatc tttctaaaag   180

attttcctca ttctctggag ggagtggcaa aagattggtt gtactacctt tctcccagat   240

ccatctccaa ctgggatgac cttaagaggg tgttcttgga gaaattcttc cctacatcta   300

ggaccacgac catcagaaaa aacatttcag gcatcatgca acttattgga gagagcttgt   360

atgagtactg tgaaagattc   380

<210>   17692
<211>   367
<212>   DNA
<213>   Glycine max

<400>   17692

atcttgtatt tcaaatatta tggtgtgcgc ttgttgtaac atgttatgtt tgctactgat   60

ttttaattct ttgacccttt gaatgaccaa attggctttc gatgtcttca tgagacttgt   120

agagaatttt atcctttaca ttcaagcact ggtatcatgt tatttggacc attacaacat   180

aatcaatcct tatagcattg cagttttgtt atattgtgag gacaaactga catctctatc   240

ttcatggtca gtttcttcca agatccaagc cttatttgcc catgacttct ccataaaaga   300

tatatatatc tttctcttag ctttctacaa ccactgagat catcccaaat tcactcttgt   360

agctcaa   367

<210>   17693
<211>   393
<212>   DNA
<213>   Glycine max

<400>   17693

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atggtgcctc ccctctcctc ttctcctttg ccttccgctg catctccatg gtgaaaaatc   120

accattgaag gacctcattg gagctcaaag atccagcctc catagaatct tcacaagcaa   180

gcttccatca cctcttttcc tgtacatgac tgtgttagac gagtctatgg gatgcgtgtt   240

gggtcaacat gatgactctg ggaaaaagga acaagccatt tactacctaa gcaagaagtt   300

taccgcatgt gagatgaatt acacaatgct ggaaaggacg tgctgcgccc tgttatatgc   360

gtcacatcgt cttatgcagt acatgctcag tca   393

<210>   17694
<211>   380
<212>   DNA
<213>   Glycine max

<400>   17694

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tttgaccatt gttcttcctt cccgcgatgc ttcttttcat gtctgcctga gtgggcttat   120

agcctaaacc atacttccca cgattacctt gggtatttat cagtctagtt atgccgccgt   180

tgtattttcc taaacccatc ccgggctcat aaccgttccc caacataact cgggccatca   240

ttaccgttgc atcggacaaa ctgtgctgcc caaagaggga gtccacggag gaaatgttga   300

ccacctcaat agactggaaa gcagtttcta acgattcttc tgcggcttcc acataatgca   360

tggaggatgc gcagcttacc   380

<210>   17695
<211>   284
<212>   DNA
<213>   Glycine max

<400>   17695

tcaagaacca ccttggctgt atcaaaggac tttcacaacc tttgtgtgtt gccctcgctg   60

gacagagtga ttctttcctt cctttcatca tcactcttgt tctttcaaac cacaattcca   120

gaaaatccac ctctgcccag aattatctcg tggccataac tcccatttta cgcactcaaa   180

ttaagtgatt cttgagccta aattgaattc aaaacgagac ctttcacctt gttatggatc   240

acctcatttg gagccctgta gcttcagtta ttgccatttc tata   284

<210>   17696
<211>   372

<212>   DNA
<213>   Glycine max

<400>   17696

tatcttaacc ttggttaact aactaaacca taaatagtcc ctcccactca ataccactac   60

cactttcaaa tttcactttt tgcattccca tccttgcact cttctaattc ctaacttata 120

taatataact ttatttagaa aacgacaaga ttagatattg tttggtaaat tatttgtggt 180

aaataaatgt atatgtttga taatgacaac acagactatg ttctcattat aacatttaaa 240

atactataac ataacatcta aatattgtca tttaaaatca taattgacaa atgtttatct 300

ttggtaaaat ttaattaata gagatatcaa tctcttaaaa tacataatca aaaatacaat 360

tgacatgaaa tg   372

<210>   17697
<211>   399
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17697

ntaactaata tctttttcta aagctcccat ttatctttat cagtatttga ttccaagtga   60

gctatttgtg aataactttt tcaaatcata taatataacc ttcagtatcc atatccgtgc 120

atgtctttcg gaaaagagaa ataatatgcg cgcggacaca ttcatatatg aataaatcgt 180

caactttgtc cccgtgtgaa atatcgacga attagttcta aattttaaat ttaattatta 240

aatatgaaaa atgtaataaa ttaattatac aggtcattta atgataaatt aatctggtta 300

aattaatctt aaaaaatatt acttattctc aaattggtct ttaaatatta taacaaaata 360

ataaaattat ctaacaaaat taacaataaa attaatttt   399

<210>   17698
<211>   367
<212>   DNA
<213>   Glycine max

<400>   17698

tctattttgt aaagtatgaa tcacctttat tgtttcttct agggaccgta tcttttcggt   60

gatatccatg tctcctgttg agttgatact gtgagcataa caaatgcatg tatcttcaat 120

```
tgacaaatga acttgtataa cataatgtaa ttacttggtt aaaactcatt ttttagtcat    180

atattgataa aaaaatggag acaacaaggt tagtgttggc gtacacgtat tgtgcatgat    240

tttcctccga agctctggct tctttggaag cattcttctg tccccttaca gctttagcta    300

tttcaagatt gtgaggccaa ttaaatgttg aatacgcgaa ttatagccta tttgagtcta    360

acatgtg                                                              367
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<210>   17699
<211>   356
<212>   DNA
<213>   Glycine max

<400>   17699

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ggttagatag aagtaactac tggtctattt tgtgtgaata tatgtattag acacaaagca     60

ttttatctgc tgtatgaatg aattacactt gcacttgttc tcttttgagt gcatttttct    120

gatttctggg tttgtgaatc tcttgtgcca acaattggta tctagagttg atttgatcat    180

gagggactgt gagagaacct tgagtgtaca gagaaattgg aaatcacaaa tagagtttga    240

gagaacccaa tcctcttta gaatacccaa cttttttaaat ggcttccaac aatgttccat    300

tactagcacc tcctgtattc acaggaaaga acaacgaaat gtgggttgtg aagatg        356
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<210>   17700
<211>   378
<212>   DNA
<213>   Glycine max

<400>   17700

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agcttaactt atatatttt attgttagac taaaccttt aacctgtgat gttgcaaact     60

acaaaagaaa cacaagtcat taacaaaatg cggaaaataa aaattaaatc atatctccag    120

ccattgccat gaagtgttgt cttgtttgg ttcttccaag ctctctctct ttctctctct    180

agatggtgta tcaaaatgaa ttcaaagaga tgatctcaag gaccaaatac atgtgctata    240

tatggtattc taccatcaag gatgcattta gtagccatta ccactcatta ttggttgtta    300

taattcatta gtggccatta ccacccatta attcaatttg gcttccaaaa ttgacgagcg    360

ttcaatttt caaatgtt                                                   378
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<210>   17701

<211>   407
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17701

ntgccatgct gaattatatt ccttttttgct agtgcaatat tgtagtttgg cttggctttt   60

tcttttgctt ttgattttgg cagtaggtca catggatctt ctttaggaga gagagagaga   120

aagaaatcaa aggcttataa aataatcact ctaaaaatcc tacaacacag tttatagttt   180

tatttgtgtg atttaattcc agacaattgc atttaattct taatgctcat gacatgactt   240

acattgcaat aaatatgtgt ttatggtagt taaaaataaa ctgaagggtt taatatccat   300

attgttttat ttacatgtat aagtgagaaa atntccagaa attaattcta gagtgatata   360

ttaatcaaat aatttgataa agggttaatt aattagatta taatgat   407

<210>   17702
<211>   405
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17702

ggagancatg atgagtcgat agcangnccn tnggtagaat acaacgcgcc tatttaacta   60

tatatccact ccatttattt tttatgcaca cgcacgcagg gggggtggat ataagataac   120

acccacaaag ggagcacgaa aatagacaaa gatatgagta taaacaggga tgtcacgtgc   180

gggatgggag ggaaatgttg tggaatgatc tgcgaataga acgggaggaa agtgatgaca   240

atttgagcta aatacgcaca tataagaaag ggagataaga agataaatag aaatagtgag   300

cgaaaaagaa gtgaagcagg aaacatgaaa tggatgttta gagaagataa aagtcatata   360

ggaacatgca aatatagaag aagaatagtg gacactaaac ttagg   405

<210>   17703
<211>   435
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17703

gagtgattgt gatgagtcga tgacgactgg taaataaccc ccgccaatcc ccnaagattt   60

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actagtgaat gagttttatt tttttgnaa gtaatataac ggggggggtg tgttgtaaaa    120

atcccgcccc ccataatcag tgaagagata atggacgtga gttatgcaga gatgtctaga    180

agtagttgcg ataaggagag actatgagtc ggatagcgcg tatgaaagag agcagaagtt    240

aagaaatgat ggggaagaaa aagaaagtat atgttggcag ttgagatagt tttcagcagt    300

gacataaagg taaatcatta ggggacaaaa gaagaaggaa ttggagcgac aagcggtgag    360

tagtgtagtg taagcgagtg tgatcagggc aaaaacaaca ggtaatattg gttaagactg    420

atgaacaaag ataag                                                     435
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<210>   17704
<211>   666
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17704

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aggggcatg atgacaggct cgnacannca caatttggtt naganganca nnncgcgcgn     60

gnattantta nanactatat cataagggac caccaatatt atgttagtcg tttaagaaga    120

tagacgatca aagtggagga gggtgtgtta gtattataat atatcctcgc acctaataac    180

gcatgaagtg aagtagatga gaaatagata ggagaaaagc acgtgtcata attgacggat    240

atcagatgca tcgtgtacta tgaaatacga gaacagntac acgagtgtag cgatgagact    300

acgatacatt atatgaagta agtacacata ctacaagaat atagtcagcg acatatatca    360

gatgtggtag ataaactgat gttacagagt aaatgtagtc atgaggttnt acaagatata    420

cggacaatga tgtgtgtaaa tcgatatcat gtgtntacga cgatagtata ngngtatgna    480

gaatgtatct atagaggtac taacatttgt gtagagagac taatcggatg tgaagttaac    540

tatacgcaga gatgatagta tctacgttgg atacgacgag tgacgcggta cgagtactgt    600

actgtgcntt gacatacaca tgagtgatga ctagaagacg agtatactat agcaaaatta    660

catatg                                                               666
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<210>   17705
<211>   533
<212>   DNA
<213>   Glycine max
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<223>      unsure at all n locations
<400>      17705

gcgtanattg atgcatggat cgnactannc cnttnggtaa ggnaacccce cccgcgnctc    60

nnnnatnnng agtaaactaa tctaacagag agtctcttte tntgtngtng accnacacgc   120

tcctgaggga agggtgttta tataactaaa taactcgcca caacgaatat cggtcggaaa   180

tgtaaatggg atcaaacata agtgaaacga tgaacgacgt atgctgacat cgggcataga   240

tggtatgagt aagtaccgtc gagcagctca agggctgcac tcatagatac cgagactaaa   300

tatctgagac cgaacaacgt cgagcgagac ggcgcaccgc gacaatatga cactacaagt   360

atacgaccat tatgctacga gatgccaaat ggcaaaaaat gaccctgaaa gagtaacttc   420

gaaactaaga atggagaaga cagtacgcga gaatcatgtt ataaatactc ggagagacac   480

gactgtacaa cgaacctcgg agagagacac agtctcaata ttaggcgaca gtg          533


<210>      17706
<211>      455
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17706

gaggggatga tgcatcgatg acnnccntna gtaagaaacc nccgcggatc ctatgagtac    60

acattgatgc ctgccattat ttttaatcc cagaacggcc cgaggagggt ttttactaa     120

tgaatacacc aaatcaccaa gtaaaacatg tcattaataa tatgcggaaa atacaaatta   180

actcatactt catatcgtcg ccaacatgag aacggttgtt tcggacaatt ttatcaataa   240

atatcctgta ggatacagcg gggtcccagc gatgctaact agatgagtga acggaataaa   300

taacaggact aaatatggaa acataccatc tgtgaagcat gtagtaaaca ttaggagtct   360

acattggatg agataatgca ttagaggcca ttaccaccca tcaattcaat atagcttaca   420

aatatgcgag cgtgtaattt acaaaatgta agacg                              455


<210>      17707
<211>      236
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17707


7421

gcatgctgat gtgaacctgt gacnccgcaa tattataaat tttttttttt taaaggggggg    60

gtttgtaacc ccaaaaaagg aaaaggattg gatgatagag aaaattgaga attggaaagg   120

gaagtatgta ggggggttgg gccagggatg aagaaaagag gacgggtata gtgataagtg   180

aaggtaaaat gatagtggaa ttagatgata tttgaatgga aaatgagaaa ggatag        236


<210>      17708
<211>      338
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17708

gaggatgtgc tcgtgacnnc ntagtagnac cgcgcaggaa nattactaat agggagatat    60

aattttgcac caagaaacgg ggggttttta taattcctcc ccaatccagt aataagacaa   120

atgtaaaatg tgaaatgagt caagaagaat gtaaatgaac gtattgacga ggatgatatg   180

tagggtggaa tgttttggta aagaatatga agagaaacag tattagggaa tataaaaagg   240

aatagaagag aaaagtgcag agttagaaaa ttagtaagaa gaaataagga atggaataga   300

gttaatggga agaaagcaag agtagagagc gaaagaaa                           338


<210>      17709
<211>      483
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17709

aaccggaccc caccccaaca tgaagccgca cagggacaag caaccacaaa acaaacnaca    60

aacaaagagg acnntttgag cgtcgtagna caccnccann aaaannaaan accgcgggna   120

nananagagc caccaacaga ccgaaatctt aagaccacaa caaaccacgg gggggcaac    180

ccacgaacca cccccccac cgaacaaaaa aaacgcaaag acaaaccacc agcgaacaca   240

caaagaacaa ccacacacaa aaaaacacaa caacaaccgg caaaacccga aacacaagac   300

aaaccaaacc acgagcacaa ccaaacacag agaccaacaa acgcaagcca ccaacaacaa   360

caaacgacac caacgcagaa ccaacacaca aacccaacca accgcaaaac aacgccaaga   420

cccgacgaca gcaccacccc cacaccagac aacacaccca ccaccaccca accacaaccc   480

ccg

<210>      17710
<211>      243
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17710

gggtgtgtgt gtgcatgtgt acacncctct tgatcattgg catttttttt cgaggagggg      60

ggttttaatc caacatcggg ggaggataat agggaaacgg atcgtgggta gcgataagag     120

gtcagggaca tggtaaatcg gactatgatg aggctaaggg tgtgagagag ataaatagaa     180

atgagacgtt gtgtgacatg ttggtatcgg agtagttatg aggaaaggtt aatgttaatt     240

aag                                                                    243


<210>      17711
<211>      766
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17711

tgtgaggaan cgntgnattg gacttcggca gtaccgatta ggaacnannn ccncnatnna      60

naatttttgt nganacgnan ccncncnnnt gtnnntnnta ntcntgacga taccgcatca     120

ttgcgagaca tcttttttt tcttatatat taccaacgca tacgtanacn cgccgtggag     180

atgggcgtga gtgctagcaa tacatganca tatntgcctc tacactcgtc gatctacatc     240

atctgcgtac tcgtatgacg ttatntacac gcatagtatg atattatgcg atcgcaatgt     300

atacgcacgg acgcatcaga tatgctcatg atgtatgtga tatctggata tgagtgacgc     360

catataacgc cagctccaac acgcgcgtgt gtctacagac gtgatcatct agttgtagta     420

ggtcggctnt acnaactgag ttgacagtct cgagntgaca tcacatgtcg caactcgtgc     480

ggtaggtaga cgcgcgacat acgtcgatga cgtgtgatga cagtctacga cggcacgtca     540

ctagtgaact tagtgangng tctactactg actcactaac tctccctcgc acattaacgg     600

agtacntagt catangacag atcctgatcg ctgtgagaca gggagacgat ngagttctac     660

tggnagntta cgagctagtc acgccaccga tcttatacta ggnagccgcc gaactgtgac     720

acggtatact ataactggct cgcctcgtct cgcgatatta cgccgt                        766

<210>      17712
<211>      432
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17712

ggggnatgtg catgatcatc ganactcaga aattgtaaca nccacccggg atcctcagag     60

ttacctgctt tgttgaatta ntttcaccgc cgccccggga gacgggtgtt aattggaccc    120

aattctcaca tgatgcacct aaaacgtttg aattggttcg accatgactc tctgaattac    180

ggccgggaaa tcagtgggag gagggacgcc cctgcaattt gcacaacatg catattggaa    240

ccctttatgg tactaaagag ttatcccggg cgtagtctga agaaactaca taagtaatag    300

aaaagtgatt ttgggtaagt aacgtgataa cacatcgatc ctaatttaca ccgaactaat    360

catacacata tataggcagg agtgagcttt atctggcccg cgaggcgtga gaagctccta    420

agtctcctcc cc                                                        432


<210>      17713
<211>      120
<212>      DNA
<213>      Glycine max

<400>      17713

tttatcatcc tctgcatcat catggaggaa aatcaccata taaggacccc attgaacctc     60

agagatccaa cctccagata gctctccaag cgagctttca tcaatatttg cgtgctatct    120


<210>      17714
<211>      375
<212>      DNA
<213>      Glycine max

<400>      17714

ttctttcttg tactgatcaa gacagttgga atgacgaaag ctagttccac acatataggg     60

acggcaaccc ttgtcatgag aagaacaaag aagaagaaca gcattgtgtg gatattccat    120

gcacacagaa catgtaacat cttcccactc tttcttttcc aaagccttag aacatttgtt    180

7424

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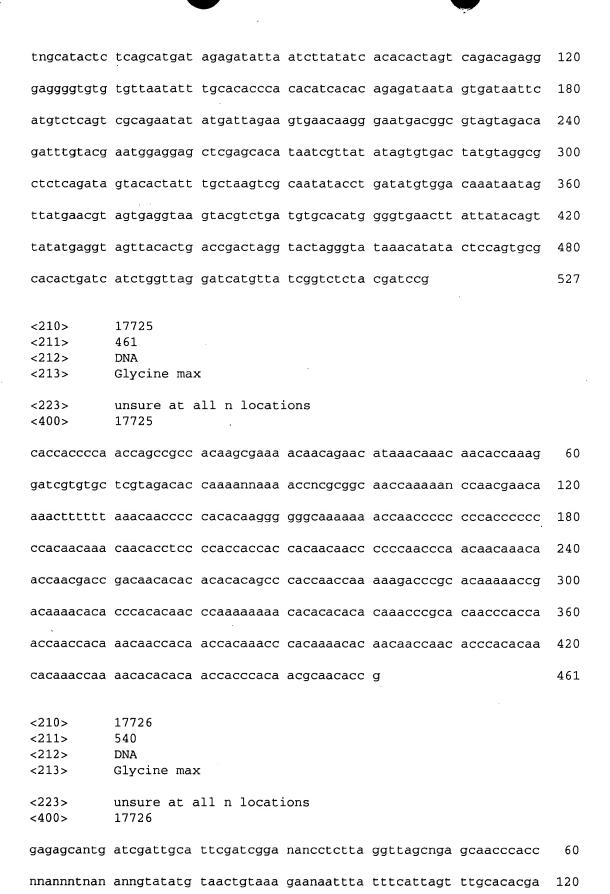ttggcagagg tcctcacaaa tgtccctttt gcaagaagcc agtgggtatg gagtcactct    240

gaattgacga gaagcaatcc tgtgtcttcc cctgctacct tttgccattt ccgatattcc    300

aacagaatct ggaatttaaa ctgtcaaaat gttatcaagg aatctaaatg aaatgcattc    360

atatattttt tatgt                                                     375


<210>      17715
<211>      377
<212>      DNA
<213>      Glycine max

<400>      17715

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cactcgcatg agttagctcc attgttccgc ttctttatct tcttttttta ttattatttc    120

tagttgagtt cacactataa ctgttgtata atattagttt tggttcacca actattatac    180

atcaaattct tttataaaaa ttacataata ataaaatcaa taaaataaaa tatgaaacca    240

tccatcacca agtaccaacc aagcaactca tctaccacgt cacaatactt aaactagaac    300

ctttggcttt ttctagttac tcattcatgt tcctatactt gctttcactc tatatataag    360

gttaattatt aatttga                                                   377


<210>      17716
<211>      239
<212>      DNA
<213>      Glycine max

<400>      17716

gttggtgttt tatacccacc gcacccaaaa atgctaaagt tgctgtatga taaaaaaaaa     60

ttatggatat gctataaaac ggatagtata atcgcccgga gacataaaag catatgtact    120

aataacaatg gacatatcct caaatagtac aggtaagcat gataacagaa aatataatat    180

taacatgaaa aaatttggt tcaaaagtaa aagatagaac ctcttggaat acaatttaa    239


<210>      17717
<211>      754
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17717
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aggantgcna nnnanttngg attggangtt ngcccgatag gnnacnacnn ccnacnnata    60

nnggatttat gtntgannca nanngccngn nancgcaana ntanananan agaaattata   120

cttctangcg atgngantga gagatngttt ttgtatgtgt gtatagtnan gataaataga   180

agcgtaaagg agggcgggtg ggtgtatata tatagtagat tcatcatcca ctattcgcga   240

gtaagagtac gaagataggt atgtggaaca atttacgtgt ctgtgagaga tatatagtcg   300

ttatatatgg acgtatggca ggatactcta tagtgtangt gcgataccgt tgtagtagaa   360

gtagagatgt atagaggaat gagaatatat atatggagng tgataatgtg tnaagaggct   420

gagaatgata gaagtgtaga gttagaggat gtanatataa ggatgtagtg tggtgagtta   480

tagaagtgag agacgtagtg tgatatatag atgtccggaa gtacgtgtaa gcggtagtag   540

attcacgact actaacangc tcgaatatat ggcggtcaga tagttacgtg ctgagtatng   600

tgtaagatga tntgaactcg agctatngag atcgataatg tgtatangat gatgatcaga   660

gnggtagaaa catgctgtgt agtaagaagt gactgtatgc gcaggaagat aagaagtaac   720

ttgactgtcg atgcgacgat acggcgtata tagg                               754


<210>      17718
<211>      436
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17718

gagatttgat gcttgatcac tgcaatcgta agtacaccgc ccccnacggt tctctacgac    60

gaacgcttta tttatttctt ccattctccc ggggggggtg gtatgcataa aacccccccct   120

cncatccacg gacattaaag actattgata atacgatcac ttaaggagaa cattcttatg   180

tgaatgattg ttggtaacga ataattgcca catcatctca ctattatgtt tcaatgagct   240

tgaacaaatt gctaggcaga ggagcttcga aagtgccttt tgcaaaaaaa cacgggtatg   300

gagcatatta gtattgacga acagcacagt gagttattct catctaacat ttcgcatttg   360

cgaagtccac cgacattcgg aaatgacttg ttactgattt taatgtatcg taagaaacgg   420

ctatattatt ttattc                                                   436


<210>      17719
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<211>   287
<212>   DNA
<213>   Glycine max

<400>   17719

ggaatgtgct gatgcacctt gtagacaccc gccacatatt ctacaccact tttttgtga   60

ccctatgggg ggttttatta atcccctaa ctagataata aaagaagggg tggtaggaga   120

aataatcatt gtgaactagg agaaatttga aggaaataag tgaaaagtgt gagtgattaa   180

cataggtttc acgaaacgtc tatacatgta aaaggaactt tttgaatgct atatattcta   240

tttatttcaa tgtatttaga tcaaaacaga aaaaaaagag aattgac   287

<210>   17720
<211>   448
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17720

aataatgaac atgatcactg acnncnntta tttagnaccc ccacctnann tnttaatata   60

ttaaaagaat tatttttttt ttgactcaca ncacgggcgg gttggatttt atataaccaa   120

caacaacttt tgtcactagt atggcttaca gccatgcatc attacatgtc tgcctaaatg   180

ggcttatagc ctaaaccata cttcccacaa taaccttggg tatttatcat ggctagattg   240

ccacccgagt attttcctaa cccatcccgg gctcataacc tgtccccaac ataactcggg   300

ccatcattat cgctgcatca gacacactgg gctgaccaaa aatggaattc tcggaagaaa   360

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agagtgattc tttccttcct ttcatcatca ctcttgatct ttcaaaccac aattccagaa   180

7427

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<213>   Glycine max

<400>   17722

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gggttttttaa cccccacacc gaaatcgaaa gaggaagcca ataggaagga tatatggata   120

tggagctaat aatgagattt attaacggag tagaacgagg aaaaataaat tagctgtagc   180

cccatggaat ttaaagtggt attgggtaat gctcaccgag ctgtattcaa atatatttcg   240

atgaaaatcg   250

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<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17723

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gggggtatgg ccccacacaa ataataataa gatatatgag atataaagtt atttaaagcg   120

tgaaaggagt aaataagttg ggtttgggag gagagagagg agaagtaaaa aggaattgat   180

gagggaagat aaggaatgaa actagaatta attaattaat agtaaatggg ataggagaaa   240

agatgaacg   249

<210>   17724
<211>   527
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17724

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7428

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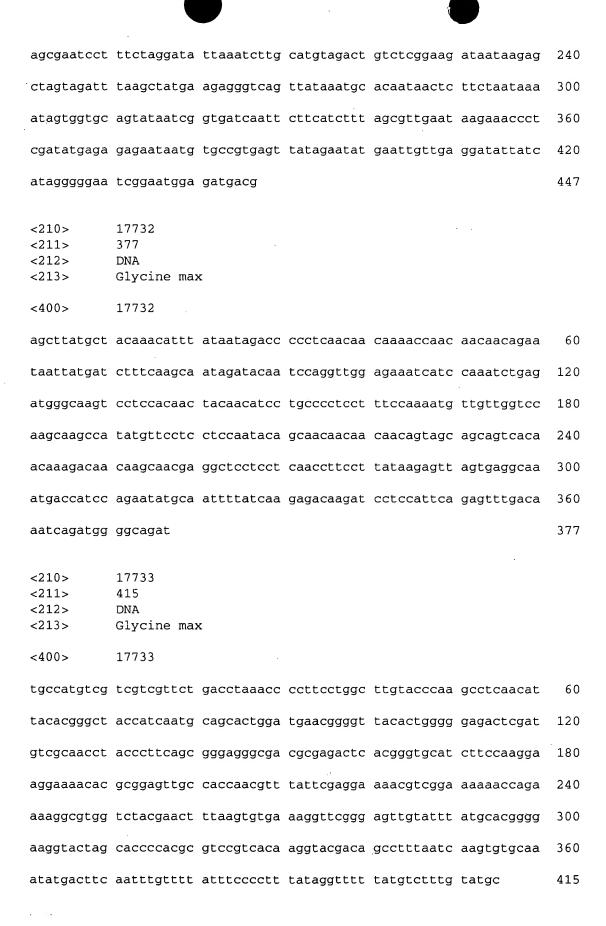tngcatactc tcagcatgat agagatatta atcttatatc acacactagt cagacagagg    120

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atgtctcagt cgcagaatat atgattagaa gtgaacaagg gaatgacggc gtagtagaca    240

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ctctcagata gtacactatt tgctaagtcg caatatacct gatatgtgga caaataatag    360

ttatgaacgt agtgaggtaa gtacgtctga tgtgcacatg gggtgaactt attatacagt    420

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<210>   17725
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<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
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gatcgtgtgc tcgtagacac caaaannaaa accncgcggc aaccaaaaan ccaacgaaca    120

aaactttttt aaacaacccc cacacaaggg gggcaaaaaa accaacccc cccaccccc     180

ccacaacaaa caacacctcc ccaccaccac cacaacaacc ccccaaccca acaacaaaca    240

accaacgacc gacaacacac acacacagcc caccaaccaa aaagacccgc acaaaaaccg    300

acaaaacaca cccacacaac ccaaaaaaaa cacacacaca caaacccgca caacccacca    360

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<210>   17726
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<213>   Glycine max

<223>   unsure at all n locations
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nnannntnan anngtatatg taactgtaaa gaanaattta tttcattagt ttgcacacga    120
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agangacagg gagggggggag aggtgttata tagaatgtaa cactccccgt cgaggctgag 180

attgaagata ggtactaaaa ttaggtgtgg aaacgatatt atgatataca ctaaggtgag 240

tgaaaagatg atgaaagtat gaggtatagg tgagtgtgga gggggcgagg tatagtgagg 300

ggagaaggga agtgaggaga tgtatagaga gtcagctaat agaggtcggg aagagagaga 360

ggaggaggga tggtgagata cgaggaacgg aaggggaagg gaaacgaggt ggtgagaata 420

cgggagagga atgaaaaatg tggggtaaat gatcgaagag gaatggtgag tataagataa 480

agagaagtgg gggtatgata gagtaggaaa gagtgaggcg cgagaggtat ggtgatgaag 540

<210>   17727
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<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17727

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accaatcatg cagctaagtt gatgatataa gggatatagt gaatgaagtg tttagaaggc   180

gaatgagttg gagttgggat aagagtgaat atagtatatg taagttgtag gggagattga   240

tgagaaatgt gttaaatgag tttgggaatt tgtatggaga ataggagtaa ggtgaaaatg   300

ttagggatat taatatggat ggaggttgag gtaataaata gggtaagaag gagagggaag   360

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ag   422

<210>   17728
<211>   228
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17728

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ttttgaacaa atgcgatagg atatggaaaa ttgggaagag gaagtatgta gtaagtcaag   120

gagtgaatgt ggattgagaa taggagaaca gtgtttaagt taagaaaaaa agtttgatta   180

tgttagtatt gaaagagttg atagagcata aattgtaatt gaaatgga   228

<210>   17729
<211>   162
<212>   DNA
<213>   Glycine max

<400>   17729

ggtatgctga ctatgacccc ttagtaaatt ttttgctagg ggattaatcc ccgatattaa   60

aagagagtat ggagtggaag agaggaaaag ggaattataa taggaatgag aaatatgagg   120

atgaaaaaga gtaatggagg aaagtagata gaaaaataaa ag   162

<210>   17730
<211>   377
<212>   DNA
<213>   Glycine max

<400>   17730

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cagttcagac cattgatatg aatcaagaca attattttga ggaggctctc aaaatgcgga   120

atctgttgga ggagttcaat atgtcctacg gtattaagaa accaaccatt ttgggggtcc   180

gagaaaatat cttcacggga tctgtttcct cacttgcatg gttcatgtca gctcaagaga   240

caagttttgt gacactgggt cagcgagttc tggcaaaccc tttgaaagta cgaatgcact   300

atggtcatcc ggacgtgttt gacagattct ggttcttggg tcggggtgga gtcagcaagg   360

cctctagagt gattaat   377

<210>   17731
<211>   447
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17731

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atagaaatca cacattattg ttcgttgagc gacgccttag agggcggata ttaattagta   120

gtacccatta tatcatagag gaatattgtg acgagatagt atatgatgtg gtaatatatt   180

7431

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agcgaatcct ttctaggata ttaaatcttg catgtagact gtctcggaag ataataagag    240

ctagtagatt taagctatga agagggtcag ttataaatgc acaataactc ttctaataaa    300

atagtggtgc agtataatcg gtgatcaatt cttcatcttt agcgttgaat aagaaaccct    360

cgatatgaga gagaataatg tgccgtgagt tatagaatat gaattgttga ggatattatc    420

atagggggaa tcggaatgga gatgacg                                        447


<210>      17732
<211>      377
<212>      DNA
<213>      Glycine max

<400>      17732

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taattatgat ctttcaagca atagatacaa tccaggttgg agaaatcatc caaatctgag    120

atgggcaagt cctccacaac tacaacatcc tgcccctcct ttccaaaatg ttgttggtcc    180

aagcaagcca tatgttcctc ctccaataca gcaacaacaa caacagtagc agcagtcaca    240

acaaagacaa caagcaacga ggctcctcct caaccttcct tataagagtt agtgaggcaa    300

atgaccatcc agaatatgca attttatcaa gagacaagat cctccattca gagtttgaca    360

aatcagatgg ggcagat                                                   377


<210>      17733
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<212>      DNA
<213>      Glycine max

<400>      17733

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tacacgggct accatcaatg cagcactgga tgaacggggt tacactgggg gagactcgat    120

gtcgcaacct acccttcagc gggagggcga cgcgagactc acgggtgcat cttccaagga    180

aggaaaacac gcggagttgc caccaacgtt tattcgagga aaacgtcgga aaaaaccaga    240

aaaggcgtgg tctacgaact ttaagtgtga aaggttcggg agttgtattt atgcacgggg    300

aaggtactag caccccacgc gtccgtcaca aggtacgaca gcctttaatc aagtgtgcaa    360

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<210>	17734
<211>	393
<212>	DNA
<213>	Glycine max

<400>	17734

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gaataacttc ggacagcgca gttgaggcac cgctctcttg aacatttcaa acacttactg	120

tgtagcctag aaatatatgc actacaaaat atgcggtctt agctacgctg ctcctatacg	180

tagcaggagt acacctgtgc cttaggggat tctttctata ttcttcaaat ggtaagcgcc	240

caaatccctc acatagaaaa gagacttgcc tattatcagc cgggctgccc aaatggtgta	300

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ggagtatgcg atttccggac gtgacctagg agt	393

<210>	17735
<211>	550
<212>	DNA
<213>	Glycine max

<223>	unsure at all n locations
<400>	17735

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cgaccnccac caccccccccc ccccagggggn gggnntttga tgcctcgacg tacgaccacc	120

ananaaactc aagctcgcca agaacgcgna acggacgaca agcacgaaag tatttatgcc	180

cacacacggc aacgcaacga gaggaggaca ggaacgaaca gctcaagaaa cacgaccaac	240

aaggaacgcc aagagaaaca aaacagacaa cacacacgcg aggagacacc cagagagaac	300

cacagacgac gagaacagaa ccaagaacac tgagcgagag gccacacaca ctccaacgga	360

cacaagcaac aagacgcaga aacgggagag gaaaacgatg aacaaagaaa cagcacaaag	420

acaaagaaac aaacgacacg acgcgaaccc agagggagag acacggcgga cccgagcggg	480

acaccgccgc agaccaaaaa gacggaggac aagcacgacg acacaccgcg gagaagaacg	540

acggagagcg	550

<210>	17736
<211>	377

<212>   DNA
<213>   Glycine max

<400>   17736

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aacagtccca ctctcccaat tttacaaaat catattcata catcattggg gcatttcacc   120

gagcacttgg tgagcgcatg tttggacata aattgcaaga ggatggggac aatgtggcat   180

gccccattgc ttcagaatac agcataggcc taaggccttc tcattcaaat cctcaactca   240

tgaaaaccat cataaaaaca aaccaaaact gccccacaaa tataagcaca ttctcataat   300

ttggagcacc aaaagatgaa gaaaatatac caatgggaag ctaaaaacat taaggattga   360

atacttactt gtgggag   377

<210>   17737
<211>   431
<212>   DNA
<213>   Glycine max

<400>   17737

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tcatcagtgg gctttccttc tgtgtccagc atcttgggat gttcctagcc tttgatgaca   120

gctttccagg ttctgctatc cagtgatttg aggaaggcca ccattcttgc tttccaatat   180

tcatagttgc ttccatcaag aattggtggt ctgttcactg gtccgtcttc tttctccatg   240

ttcatcagaa tttatctccc tagatctcac tctgtgattt cgagtgttgg ctctgatacc   300

aattgaaatt ctgataccag gggacagatg tcgtaccgga tgtcacgaca tcacgcttca   360

taacatgcat attgtatgtg tccgtatgaa cagattgaac aagtttataa cacaacgaga   420

attgtttacc c   431

<210>   17738
<211>   382
<212>   DNA
<213>   Glycine max

<400>   17738

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atattgattc aagacttcaa gatcaagcat caagaatcca atccaagatt caagagaaga   120

7434

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aatcaagaag caacaagtca agacttcata taggataaat attaaaagaa ttttttcaaaa   180

accaaatagc acagttttgt tttacaaaag aattttctca aattttctag gttaccagag   240

tgattactct ctggtaatcg attaccaatt ggcattaatc gattaccagt gaccagtttg   300

gttttcaaaa tgttttcaaa tgatttataa ttttccaaaa tgattttcaa atagtgtaat   360

cgattactat attagtaatc ga                                            382


<210>      17739
<211>      426
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17739

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gtaattggtg tatgtgttgc ttaatcacat aacgaatgtc ttatgttaaa tttctcttaa   120

taatttaatt tagggttgga ttaagtggtt aaactgataa aggataaatt ctcgcaacct   180

aggataagag acttgcttgt gaatcaaggg gaagcaatgc attttaattc taatattttc   240

tagttcaatt ttactcgttg tgtaatttac aaaagcaaac accccccccc cccaatttgt   300

tgccatttcc tactatctgt tatgaacatt tgatttatca ttgctcattg ggaaacgacc   360

tangatcact tcctagttac tacattttaa tgtttatttg attcgggtat ggtctcgatc   420

aatcat                                                              426


<210>      17740
<211>      374
<212>      DNA
<213>      Glycine max

<400>      17740

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agcaaaacgt tattgtcgtt tggattagtt cagagcttca gaattcaatt tcgatcgtct   120

cgatatatta cgggtctcaa tcaaacatct gaggaaaaaa gttattgtcg tttgaatttg   180

ctgagagctt caacattcaa ttttgagcgt ctcgatgtat tacgggactt tatcagacat   240

ccgagttaaa agttattggt ggttgaattt actgagagct tcaacattca atttcgagcg   300
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tctcgatatt ttacgggact caatcagaca tccgagtgaa aagttattgt ccgttgaatt   360

agctcagaga ttca   374

<210>   17741
<211>   425
<212>   DNA
<213>   Glycine max

<400>   17741

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gttgagacgc ttgaaattga attttgaagc tgagagctaa ttcaaacgac aataactttt   120

tactcggatg tctgattgag tcccgtaata catcgagacg ctcgaaattg aatgttgaag   180

ctctcagcaa attcaaacga caataacttt tttcctcaga tgtctgattg agacccgtaa   240

tatatcgaga tgatcgaaat tgaattctga agctctgagc taattcaaac gacaataatg   300

atttgctcgg atgtctgatt gagtcccgta atacatcgag acgctcgaaa ttgaatgtcg   360

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aatct   425

<210>   17742
<211>   368
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17742

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caatattact tactgttacg aaaattaatt taagtcttta tggttatttta ttcaaactaa   120

ggcgttatac gagtggtttt tgaacgaatt tatgatagat ttgtcattat catttatgaa   180

gcattcagtc attcggtagg attatgcact tgcttaaatt tatttatctg ttgactacta   240

tacaccgcaa ttaattgaga tgaattatat acttggtttt agctggcacg attgcaagag   300

gaccttcggc gcatgaatgc atagaaccaa nagctgaacg agatgctcat ccatgtcaac   360

agtaacta   368

<210>   17743
<211>   383

<212>   DNA
<213>   Glycine max

<400>   17743

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gaaggttctg tggctggtga gatggtcatc acgaagttcc tatgggcagg tgagaggcgc   120

gagtatgaaa gtactgagct tagtggataa cgaacaatca ctgaagcttc tggtgtagat   180

gaaccaagga ctctgtggta atcctgaagg tatgtcgggg aatgtcttga tcgtgttgaa   240

cgcctacggt gtgaaaggtc ttgcttggtt gaatgttcat cacaagagtg tattggtatt   300

atgggtcgtg atgagtggct ttcttctggt gggtcaagct ctttgccgga aaagggttcc   360

ggacatggag atgggattga gtt   383

<210>   17744
<211>   376
<212>   DNA
<213>   Glycine max

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tttaatttat taatgaaatc tggatgaact ctgtcggttc tgaaggcctt ccaacaaagc   120

aattcgagag cttcaccatt ggccaaaact tccacctcgt ataccttgtc aaccccatgg   180

gctttaagca aatgtctgtc tctagtggta atgatgactc tgctgccagg gccaaaccaa   240

tcaagacttc caacaagagc tcgcaagtca tctatctcac agacatcgtc aagaaccaaa   300

agaagcctct tcctggggag catcttcttt attagtgaaa ctccttgctc gacacttgtc   360

agacgaatat tgttct   376

<210>   17745
<211>   424
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17745

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tgaagttgac atcaaccaat aaccataaaa acgtgacaca catgtgtatg ctaattaatt   120

aaacataaac acactatatt gatacatata ctcatgatta acaggaagat gggttaggaa   180

ctaagtcatc tgatcaagta tctagcaaga atccattgga cacagatagc agcacgccag   240

cactttatag ccagaaggag gagttaagaa gcaacaagag gaagaagaaa acaattgatc   300

acaacacagg acgaataatg aaagaatatg tggagatagc agacaagtta agatggctag   360

ctgaagctat gataaggtca taacaagcaa gaatggactc aatgaatgac atagagagga   420

tgat   424

<210>   17746
<211>   367
<212>   DNA
<213>   Glycine max

<400>   17746

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atcattgtta tcatctccct ctccatcatt ggaggtgctt cttcagctgt cagatccctc   120

cacctttagg catattcttt gaaagattca tgctccttct tacacatgtt ctgtagctgc   180

cttctatccg gagccatatc ataattgtac taatactgcc taatggaggc aaccattatg   240

tccttccaag aatggactca gataggtttc agattagtat actaagtgac ggctgcccca   300

ataagacttt cctgttagaa atgcatcaat aatattgcat ctttcatgta tgcacccatg   360

atcctgt   367

<210>   17747
<211>   425
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17747

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caaagaacat tcacggtttt ggttacggaa gcattatgga agcaccttgg ccctgatttt   120

cttcttcttt ctccttcttt tcactaattt taagtgaaat atgcttcccc agggtgttga   180

accccttctt tcagcctccc acaccctttt atagccaaaa taggggagga gcttgccgcc   240

cagctcgccc aggcaagctg gtggcttaag cctgaagtaa catactcgcc caggcgagct   300

ggttgcttca tgtagaagct tcctgatggg cctaactggg cccatggctg aagaacaccc   360

7438

cctaaattga ttagctcacc cccattttga gtgtttggct tttttacttc cgaaacgtcg   420

cgaat   425

<210>   17748
<211>   377
<212>   DNA
<213>   Glycine max

<400>   17748

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gctcgaaatt gatggaagaa aaaaagggag agaagttgaa ctttgagttg tgtctcacaa   120

gactctcatt catcaaagtt acaacaagtg ttactcatgc ttctatttat agactaagta   180

gcttccttga gaagctttct tgagaaaact tccttgagat agctctttga gaaaacttcc   240

ttgagaagct agagcttagc tacacacacc cctctcataa ctaagctcac ctccttgaga   300

agcttcctta tgaagattcg tatagaagct agagcttatc tacacatacc tctctaatat   360

ctaagctcac ctccttg   377

<210>   17749
<211>   422
<212>   DNA
<213>   Glycine max

<400>   17749

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gacatgaaga gaaacaccct agaaaggaga ggcagaagtg tgggccagca gcaaggattg   120

caagtaaaag gaactccctt atgtcacatc aacaagagtt ttgtcagcgc acgctggatg   180

tgtgaggggt gggttgccat gatccatgat gaagtccctc aagagcaatc aaactgggtg   240

cggccatgcc ctcctatgtt cgagttggga aattggcaaa ttatcaaaca acccataatt   300

tttgtggcaa acataatgta atatgtgaat ccaaaccta tagctgagcc tcggctcgcg   360

ttagctatta gatatatata aaatataatc tgtcttcatt ttttcttgca ctatcatccc   420

ta   422

<210>   17750
<211>   368

<212> DNA
<213> Glycine max

<400> 17750

ttgcttgtag aatggctaga catgatacat gtcatggttt ggtttggttc aaggataaaa   60

gggatgcccc acattttcca tgacacaaaa tgcaaaaatg atgatttgga aattttatgc   120

aaaactggtc atgcatgcac ctatgcggac actcaagtgt caaattttta tggtcatgtg   180

atgctagggt tcaggattca tttcctctat tttagtcaac ccaatgtttc caaaatatgt   240

tcttttatca atatgtgcat tcctccgatt ccatttctgg cgtccgggga aatttacagc   300

attcaccctt caagtgtaga cacgtttttt tcttctaaat cggttatgat caatgaatga   360

attctttt   368

<210> 17751
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17751

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agtaaaaatg gatcatttta aggtccaacg ccttaaaatg gccaccttcc aagtaaaaag   120

aatcgcttga ttcccgctta aaaaaaaaaa agaaaagaaa gaactacata ggtctgattt   180

cctcttcgat ggagggtatg taggagcaag agccccactt ttgtcgacct caaaaaataa   240

aaagaaataa aagtttagat acactattct aatttaaggc tgttgtcctt tgggacaaac   300

gtgagaggtg ctaatacctt cctcaaacgt aaatacaact cccgaatctg gaatattctt   360

tatgaccggt ttccttccgt ctttcc   386

<210> 17752
<211> 325
<212> DNA
<213> Glycine max

<400> 17752

tgctttgaat gctctattca atggagttga caagaatatc ttcagactga tcaacacatg   60

cacaatggcc aaggatgcat gggagatcct gaaaccact catgaaggaa cctccaaagt   120

gaagatgtcc atattgcagc tattggccac ataattccaa aatctgaaga tgaaggacga   180

agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt   240

gggagaaagg atgacatatg aatagctggc gagaaagatc ctcagatgct tgcctaagag   300

atttgacatg aaagtcactg caatc   325

<210>   17753
<211>   416
<212>   DNA
<213>   Glycine max

<400>   17753

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agttgctgca caagatgtcc aacgttatgt ctaagaataa gatcgggctg cacaatgcac   120

aaggcaagat aaagtgtcaa atgaagaatt gaagctgcag gattcacgat gtctgataca   180

atgtccagga catcctgcct gaaaatactg gaattgctaa aagcattgaa gctgcaggat   240

ccacgatgtc agatacaatg tccaggacat cttgcccgaa aatactggag ttgctaaaag   300

cattgaagtt gcaggatcca cgatgtcgga tacgatgtcc attacatctt gcccgaaaat   360

actgtacata taaatctgtt atatctttaa cagattattg tgcagttagc aagaga   416

<210>   17754
<211>   377
<212>   DNA
<213>   Glycine max

<400>   17754

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aaactaagga tcacattata aataaaggat ctacatttga taaagtcact gtatacaaga   120

ctaatcaaat cagaagagcc tctcatagta tagtagaaag gattttagtg atgattttgt   180

agattacaag ctattggtct gcggtatggg attttagtag gatgaaattc acaactgtat   240

ccttgattta ggatagattg caacttgttt tgaagtatac ttgcactgtg ggtattacat   300

ttcctcaaat gattcccaac tcattttgta gaaaaggcaa ctattcaatt atgtttggaa   360

gttacagctc aggtttt   377

<210>   17755

<211>   430
<212>   DNA
<213>   Glycine max

<400>   17755

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tactgtccag gacccaccaa tcctacccac aaatcatccc ttacccactc atagccagcg   120

acggtagggg tggacgacgg tgacccaaca ctcatgctag gtcgaacggg gggagacgac   180

ctcacgtctc cacctccacc aacctacacc cctgaaagca gaaggatgga gggtcacagt   240

aatggagact ggctccctgg aagtagcaaa aggtcatgcc cttccgtgaa ggcgagaagt   300

gcctctacta tttttgtgtg aagtcttcac cttgaagagg actccccatg agaagcacct   360

cggtgagtat ccttaaacga caaatcgtct attgagatga tctcttgatc catgatgggt   420

tgctcaatgt   430

<210>   17756
<211>   380
<212>   DNA
<213>   Glycine max

<400>   17756

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ttccttcaaa tttctctctc tctcttgtct cttctttcga tttattccaa ttgcgcaaat   120

ctggttggtt gcagttatag caaggaagcg ttagatgtga gcgcgaagct tctagaagtg   180

aatccagagt gctacacagc ttggaattac agaaagctcg ccgttcaaca tcttctctct   240

aactccgatt ccgatcctca ctctatcttc gatgacgagc tcaaactcgt gtgttctgac   300

tctcgtcggc taatttaatt caatataata ctttcgataa ataattactt tgttttgttt   360

tttctatgaa ttgaatgaat   380

<210>   17757
<211>   433
<212>   DNA
<213>   Glycine max

<400>   17757

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ataaataata aagtcatctc gactcaaaga aaatcatata agtctcatac aattaatata   120

gaacctatat cctaatgtca catcctatca gagcgtggtg ttcccgtgtc ctctagcatg   180

aggttcttca tagtcatcca cctattcatc tgctcccccg aacacaagtt caagatcatc   240

acaggatcca aacataacaa cacacaggga gtgagttatc acattcctag ctaatagaga   300

aacaagacaa tcaaatatac atattatata aatgagatac cacttgctta aacatagctc   360

acgtaacttc accacttcat cattcagaat tcactttta attatcaatc acattacaca   420

agaatcccac act   433

<210>   17758
<211>   378
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17758

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gagctttttc tatgagaaga ctagcaaaga actgagcaag aagaggaagc tatcataaga   120

gcaggagatg agtctatgag tgattgtgag gttttagagg tggaggagac atccccacta   180

cttgtatttc ttcaatcctt cattttctc ttctatttgt tgtaaaggaa gcttcccagt   240

tatggagagc taaatccttt gttggttctt ccttgtacgt acttgatgta aatacatgta   300

tatctatnta atgatgtttt atgtgttctc tgtgctatca gtacatcatt tcaatgtgct   360

tttgccttga tcatgtag   378

<210>   17759
<211>   432
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17759

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ctcccccctaa ctgagacaac attgaatatg ccgactttgt agtgtactac ctagtaggac   120

cctccaatca gacccattga tcttccccag actttggat ttgcacccct tccaaagtaa   180

gatgaagttg ttgtatcaat tgagtttctc atacaaatgg ttccctcctc cacttggcct   240

cccaagttca cacatcatcc ctccacaact ccattatacc ggataggtat tcagttcaaa   300

tgagaacccc agaaccatcc ccactgaaga ggtacccgac ctcacaaata ggtgagtaat   360

ccaccataaa gcaaagcaga tgattaatgg gaaaagggaa ggtttaggcc actgaaacct   420

cgattaaaga at   432

<210>   17760
<211>   381
<212>   DNA
<213>   Glycine max

<400>   17760

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ggatgccctt gattttctca gggtccactt gtaacgaccc gcctcgtcgc tacggtatcc   120

acactttaat atttgataat ttcaattttt ttataaaaag aactccctta atttttgctt   180

atgaaaatag aagtgatttt gttacaacat aaattcatcc aacaacacgc cattacttaa   240

gtgaatatac ataattacat agaaacaata attcggtact tgtcatacac ataacgaaaa   300

ttaaatatgt tcatatatat atataattaa aattccagtt ttacatcttt aactcaacaa   360

aataaaactt aaaaaccaac t   381

<210>   17761
<211>   430
<212>   DNA
<213>   Glycine max

<400>   17761

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gtcttaatat cactgtcttc gtgcgagggg aatttctctc tctacagaca ttattttgca   120

aatcccaaca gtgagaatct gcgaaaatga gtttcgaagg tggtacccaa attttaggac   180

aatctaacgg ttaatgagtt tgagatcgta attttactgg gataaatttg ggtgtatgcg   240

agaaaaaggg agggttttgg gagaggatag agagaatgaa tttgggagga aggaggagtg   300

taaagacata tcgtaattgt aaaaattgac ctaatctgtc tctatttata gctagggtat   360

tctgagacga ttattttttt ttttttttat aaaaatgaac tctattttac tctttcataa   420

aataaataac   430

7444

<210>   17762
<211>   355
<212>   DNA
<213>   Glycine max

<400>   17762

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tgaattatca actttacctt ctactacatt gcagtttatt catttctctc catgtatatc   120

ctaacatgtc taggactaaa tgttggtaac atgaatcttt agaatttcca ccgattaatc   180

ttgctataaa agctaaattt gattttctat ggttcaaaat tcttgttcat gttcttgaac   240

catgattagt gttgagttta cgtgtctttg agttatgtct tgctattttt tgtggctgaa   300

acctaaacca ttaaattctc tcataaacat taaaggataa tatatcctct caaag   355

<210>   17763
<211>   407
<212>   DNA
<213>   Glycine max

<400>   17763

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acccacgcct acgtttggtt tattagggaa aaacaccata cctaaccccg tcctaaggga   120

tccctatcgc accatatcca aatctagaac gatgggtgat caagaggaga cgcaggaaca   180

aatgaaagcc gacatgtctg ctctgaacga acaaatggcc tccatgatgg aggccatgct   240

aaatatgaag cagctcatat agaagaacgc ggccaccgcc gccgctgtca attcggctgc   300

cgaagcagac ccgactctct tggcgactac gcaccatcct ccctcaaata tagtaggacc   360

gggaagggac acgctggggc acgatggcag ccctcacctg agataca   407

<210>   17764
<211>   378
<212>   DNA
<213>   Glycine max

<400>   17764

ttcttataag aacaaaattg cctcaatcat ttccaaatat gcatgtgaat taggacgcat   60

aaacaagaat caagccaagg ctattgtgca agcaatcaat ggggcaaaac acaccaaatg   120

7445

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attatgatga tggatggctc aaattctcac aaaggtaaaa tcatcacttt caaattgagc    180

tttcaaaact atcatgacat gtagagaaga atcaaagatt tcaagtcaca aaatgtcaag    240

aactttatt ttcaaaacaa ttacccattt cttgaacata tcctataatt caaagaaaaa    300

catgcaaagt cgtacgtgca cacaaaattg acccaaaata ttaaactaaa aatctgacga    360

aactaacaac attaacaa                                                 378


<210>      17765
<211>      429
<212>      DNA
<213>      Glycine max

<400>      17765

tcttatccaa ggctcatctt ggtggtgaag cttcttcttc catggcttat tccctagtgg     60

atggcgcctc ctctcacctc ttctcctttg tcttgcgctg catctccatg gtggaaaatc    120

accattaaag gacctcattg aagctcaaag atccagcctc catagaagcc ccacaatcaa    180

gcttccatca actcctccta agaataaatt ggagttgcaa agcttaatag ggaaaataaa    240

cttccttagg tgattcatag aaaactcggc tggaaagttg aaagcttttt caccattact    300

atagctaaag aagcaagaag atttcgtcta ggaaaggaac aacaagaagt ttttgacaag    360

attaaacaag tcttggtgtc gcaacgtgcc cttttgcggg cgagcgaaag cgaagctcac    420

gggtgcgct                                                          429


<210>      17766
<211>      376
<212>      DNA
<213>      Glycine max

<400>      17766

tttctttagc ctttcatttc ttggaagcca tctacatcaa aaaaatcaaa gacacaaaat     60

tagacaggta tttattcaaa ttagaaagca aaaaaaaatc tgaaatttaa actaggcgct    120

tagcgagatg gattcgctta gcacgactta tgaaaattaa ctcatacact tagcgcgatc    180

gaggtgcgtt tagcgagtta acacagaaaa ctactctact gcataattgg ctcgctaagc    240

ccaattccaa aacagaaaac aatttgcgct tagcgcatac ggtgcccta gcgcgacaac    300

aatactagag aataattggc ttagcgagca ggctcgataa gcccaattcc aaaaattaca    360
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<210>   17767
<211>   445
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17767

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gatccattcc ttaaaagccc gagggagtta tgaaacaaag tattaatatt ttgcttaata   120

ccatatcaaa gagaagaagt aatatgtgcc caagtgaaat gatgattgtt tgcaactcta   180

gctcacaacg ttaaagccca ttgcacatct gtagaaacta gctcccaatc aagttgcctt   240

gttgatatcc aagaccaatg ataaacctga atttgactat attttgatgt gaattttcat   300

gtcatatcca tgcatattga tatattttat tttggcaaaa ctcatggttg ggtattaatt   360

tgtgaaagac atgtgcttaa gacgctaaat gtggaaaaga actaaaaatc atgaactttt   420

tcacctaatt agaagatcat agtca   445

<210>   17768
<211>   367
<212>   DNA
<213>   Glycine max

<400>   17768

tgcttgatat tcacatcaaa gatgcagtta acaggttaag tattaaatta tacaccattt   60

agtctatttt gaactgttaa tatgattata aattgatgat catatttaca ttgatgtttt   120

ttcccaacca gtgaaatgaa gacattaaac agtacttctg ttggtaaatt tcaacaacct   180

acacctcact cgattgaagt aaaggttagt catttaaaca atgctacttt aggacttctg   240

acattttgta actttgtaat tgtctattgt taaatatatt tcatattcaa tttagagtca   300

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cagtggc   367

<210>   17769
<211>   428
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17769

gtngaaaata gtgttttcat tataatgctt cttatgcttt ttccctcaaa aactactttg   60

ttttaacttc tgacaaaagc actagaagaa acttttatgc ttttattgct ttcctcaaaa   120

cacttatcca attataataa aaatcttaaa caagtttttc aaatcatcaa aacacttttt   180

tcttttcttt taaaaagaca caaacaaaca ggccttaaaa tgagaattct ttagttcatt   240

tccactagct ttctggtcct catgaacatc taactcaaat tcaatggttt tatgaaggaa   300

aaatgccaga atcatctcat attatcagac acgatcccaa caggctagca ctgcaattca   360

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gtcttctg   428

<210>   17770
<211>   380
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17770

tttctttaag ttgngataat tctgagaagt ggttaaatgc catgaaagaa gagataaatt   60

ccatggaaca taatggtgtt taggaccttg tagaattacc aaagggttgt aagagagttg   120

gttgtaagtg ggtcttcaag actaaacgta actctcatgg caaccttgaa cattacaagg   180

ctagacttgt tgctaaggga tttactcaga aagatgacat tgattataaa gagacctttt   240

caccggcctc acaaaaggat tctttcatga ttatcatggc attaatagcc cattatgact   300

tggagctaca tcagatggat gtgaaaactg cctttcttaa tggagattta aagaatgttt   360

gtatggacca accaatgggg   380

<210>   17771
<211>   430
<212>   DNA
<213>   Glycine max

<400>   17771

aaaagttgat tatatattgt gagaccatgt gttttggaca ttatctttta ataaatcagt   60

caagggagta atgatagtag catagtgtca aataaattga cagtaaaata ttgtgaggcc   120

caagaagctt cgaagggtcg agagagtttt tggatggtgg tcacgcacaa atagtgacaa   180

cttattaggg tttggctgca cactttgagt tgtaatgaca tgcccaaata gtcaacagag   240

tgaacaacta acaaacattt actcatttt gcataaaaag aattatcaga caataactgc   300

aaaataatgc ataaataagt gagatgttct gaataattag cactataaat tatgatatca   360

ccaaagaata ccaacacaaa atgcctcata taaggatgta gttgtcgcaa cctacctcac   420

gacgggactt   430

<210>   17772
<211>   354
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17772

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tctgggtata tatatatata tgtatctata catatataaa ataatcatat ttgcttgatt   120

ctaatatcca tttcctttt cctcaattag aaaataacat acttaaaatt aacattttc   180

ttacagacac taccaatgta ctcatccgca ccgacggagg cctactgata agcctacagg   240

ggccttctac aaaaactaat taatcctaca gatacattt cattaaagtt tcagcacata   300

ataatcatca tagcgctttt taaacagtta anaatatata gtagaacata tact   354

<210>   17773
<211>   424
<212>   DNA
<213>   Glycine max

<400>   17773

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actcattact accattagat ttaataaaaa tacaaagtaa ctcaaaaaaa ttaatcctta   120

gagagtaact taatcttcac aaatgatttc tccccacaac ctataaccaa gtaaaattat   180

agcctgagtt taactgtcac aatataaaat aattttccag ttattcaatc acaaaccata   240

tttattatga ttttttaaat aattttataa aaataaataa atatatcatc cacatgatgc   300

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7449

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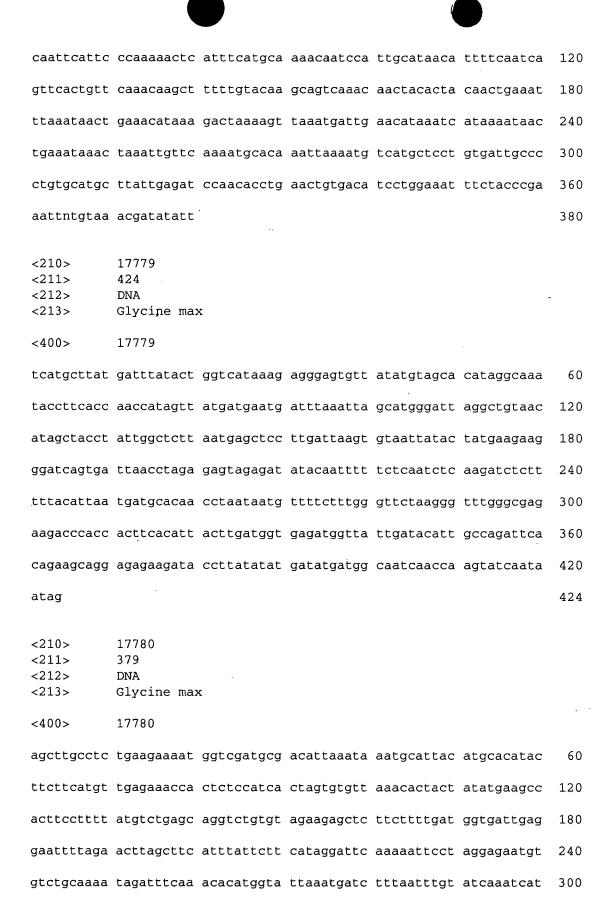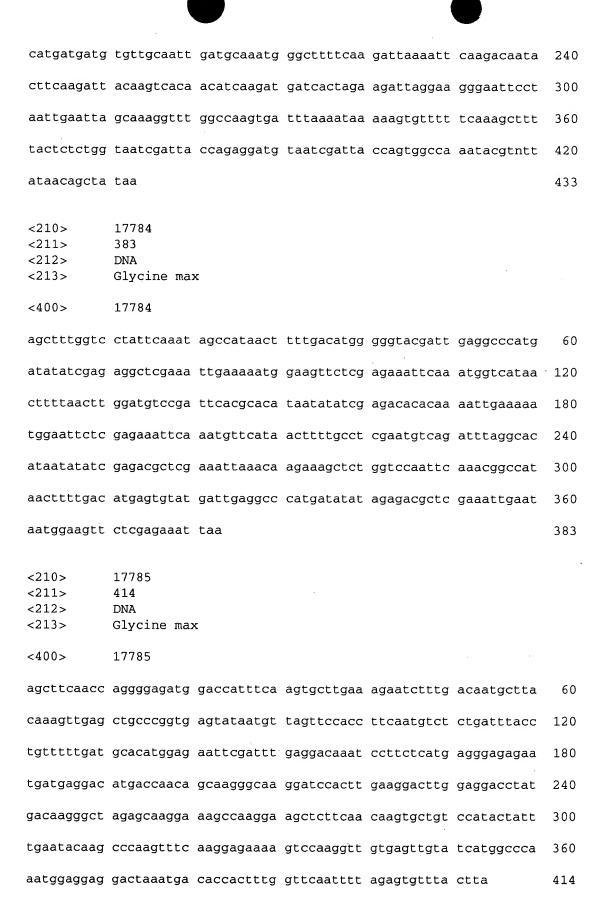cattaatgaa atacaaccaa aaacgatacg aaaataaaat tcttgatgct cattgaacgc   420

ttta                                                                 424


<210>     17774
<211>     377
<212>     DNA
<213>     Glycine max

<400>     17774

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ttaccctcgg aagcaaaaaa gaagagaagg aaaatttcca atcaaagaaa aaataagaag   120

gaaaattccc aatcaaagag tgggagaaag caaaaagaaa agaaagaaaa ttcccaatca   180

aagaatggga gaaaaaaaaa aggagaagaa gaagaaggaa agaaagctcc tgatcaagga   240

tcgaaagaaa acagaagaaa tgtgcagaga ggtctttgga ccagacaata tctgaacaat   300

acggaattgt caccaaatga acaaagaaa  gaaaaggaaa ccataaccta taagtggtct   360

tctcccttg attacca                                                   377


<210>     17775
<211>     426
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     17775

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gcgaggattg gaacctcaac cctatgttct tttaaaagac tgcaatgaga aaattacaga   120

ggataggaat ccctggggga aaccaagaag aatacacaaa aataaaaaca tgcagcgact   180

tccttaattg ccccaaatct taagcgtagt atcgcttgac aacgtcggag ttcacgggtg   240

aagatagctc ctcgttatcc atgttggcga gcaccagggc ccctctagag aaatcccttt   300

ttacaatgaa aggaccttcg tagttcgggg cccactttcc catatgtctt ccagagcttg   360

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agaagc                                                               426
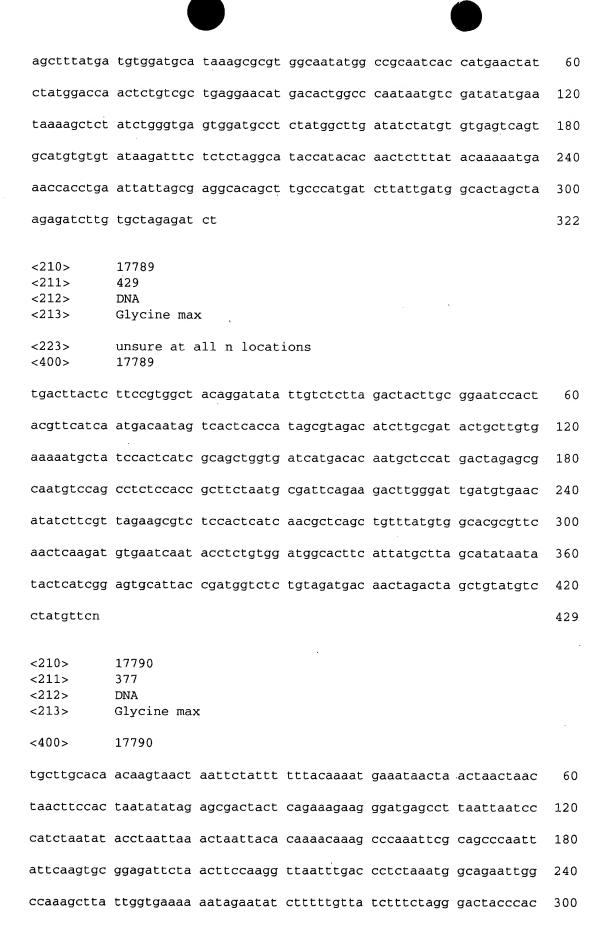

<210>     17776
<211>     377
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<212>   DNA
<213>   Glycine max

<400>   17776

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taatgtatta gaattaaaat taaatcattt gaatattatt taaatttaag aagagttaag   120

aaaaaaaaat cttaaagaac agatatacat gaatctacaa accgtacggt ttggtgcaac   180

catcagtcac gttttcaacg aaggccgaat aaactatata tacataatac atggcgtgca   240

tttgtgtcaa agctctcatc caacaaaaga aatatctttg cttttgatgt gatatttcac   300

ttgttactac ctttaaggtc gttttcaagt gcatataatc atgtttatcg atttcatttc   360

ttttatttta ttttctt   377

<210>   17777
<211>   431
<212>   DNA
<213>   Glycine max

<400>   17777

tgctacacaa ataacctttg attgtgtcaa tctcctgtga ttgtgtgtag gaactaggaa   60

gtaggaacca ttagcctagg tgacatctgg taaataacca gattgagata gtttggtgtg   120

gccatgacta tagttctaat agcagccatg atattaaaag tccctttttg tcaacctaaa   180

ttcagtttag ttaaaaaaaa ttcagttccc ttctccctaa tttttatctc ctgtttccca   240

cttttttctc caatctctct tcattatctg attttatttc aatgattcaa ctctctccat   300

aactttcct gacatgttgg aattttcttt aacctagtta gattgaagac gaggaatatc   360

aataatgagg cataatattt tgcctaaata tagttcattc tatacttcaa attaaaattt   420

gcaaaccttt g   431

<210>   17778
<211>   380
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17778

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gttcactgtt caaacaagct ttttgtacaa gcagtcaaac aactacacta caactgaaat 180

ttaaataact gaaacataaa gactaaaagt taaatgattg aacataaatc ataaataac 240

tgaaataaac taaattgttc aaaatgcaca aattaaaatg tcatgctcct gtgattgccc 300

ctgtgcatgc ttattgagat ccaacacctg aactgtgaca tcctggaaat ttctacccga 360

aattntgtaa acgatatatt 380

<210>   17779
<211>   424
<212>   DNA
<213>   Glycine max

<400>   17779

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atagctacct attggctctt aatgagctcc ttgattaagt gtaattatac tatgaagaag   180

ggatcagtga ttaacctaga gagtagagat atacaatttt tctcaatctc aagatctctt   240

tttacattaa tgatgcacaa cctaataatg ttttctttgg gttctaaggg tttgggcgag   300

aagacccacc acttcacatt acttgatggt gagatggtta ttgatacatt gccagattca   360

cagaagcagg agagaagata ccttatatat gatatgatgg caatcaacca agtatcaata   420

atag 424

<210>   17780
<211>   379
<212>   DNA
<213>   Glycine max

<400>   17780

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ttcttcatgt tgagaaacca ctctccatca ctagtgtgtt aaacactact atatgaagcc   120

acttcctttt atgtctgagc aggtctgtgt agaagagctc ttcttttgat ggtgattgag   180

gaattttaga acttagcttc atttattctt cataggattc aaaaattcct aggagaatgt   240

gtctgcaaaa tagatttcaa acacatggta ttaaatgatc tttaatttgt atcaaatcat   300

7452

aattttatct tgctatcatc tgaaacatca gacatcgact tcacaaatca tgttccgata   360

gtgcatgaga cataactct   379

<210>   17781
<211>   112
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17781

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tcttaagaag gggggggggg gggtgaatca cnatcttacg acttatttcc cc   112

<210>   17782
<211>   379
<212>   DNA
<213>   Glycine max

<400>   17782

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taagaatgag aaatcccaaa gagaaaacgt ccgattgatt ttccgcttta ttttactaaa   120

aaaagatgtt ttttgattat tatatttttt ttatctcttt ttgttttcca acgttgttac   180

ggcatgaccg aacggtcaga attcatttta accgaagtta acggataata caattcaaac   240

gatcggtgga aatttatttt atttttaagt taagcgagaa atgacttaag taaaatggct   300

taagcacgtc aaaaggggt ataaaaagta aatgaaatga gaataaaaat atacgaaaca   360

caatgtggac cactatggg   379

<210>   17783
<211>   433
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17783

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acattttatc tatatacaat tgtttgttgc ttgcttgaat cttgatttca ggtattgtat   120

tgtcatcatc aaaaagggggg agattgtaga tgcaattggc tttgatgttt tgatgatgat   180

7453

catgatgatg tgttgcaatt gatgcaaatg ggcttttcaa gattaaaatt caagacaata 240

cttcaagatt acaagtcaca acatcaagat gatcactaga agattaggaa gggaattcct 300

aattgaatta gcaaaggttt ggccaagtga tttaaaataa aaagtgtttt tcaaagcttt 360

tactctctgg taatcgatta ccagaggatg taatcgatta ccagtggcca aatacgtntt 420

ataacagcta taa   433

<210>   17784
<211>   383
<212>   DNA
<213>   Glycine max

<400>   17784

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atatatcgag aggctcgaaa ttgaaaaatg gaagttctcg agaaattcaa atggtcataa 120

cttttaactt ggatgtccga ttcacgcaca taatatatcg agacacacaa aattgaaaaa 180

tggaattctc gagaaattca aatgttcata acttttgcct cgaatgtcag atttaggcac 240

ataatatatc gagacgctcg aaattaaaca agaaagctct ggtccaattc aaacggccat 300

aacttttgac atgagtgtat gattgaggcc catgatatat agagacgctc gaaattgaat 360

aatggaagtt ctcgagaaat taa   383

<210>   17785
<211>   414
<212>   DNA
<213>   Glycine max

<400>   17785

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caaagttgag ctgcccggtg agtataatgt tagttccacc ttcaatgtct ctgatttacc 120

tgttttttgat gcacatggag aattcgattt gaggacaaat ccttctcatg agggagagaa 180

tgatgaggac atgaccaaca gcaagggcaa ggatccactt gaaggacttg gaggacctat 240

gacaagggct agagcaagga aagccaagga agctcttcaa caagtgctgt ccatactatt 300

tgaatacaag cccaagtttc aaggagaaaa gtccaaggtt gtgagttgta tcatggccca 360

aatggaggag gactaaatga caccactttg gttcaatttt agagtgttta ctta   414

7454

<210>   17786
<211>   367
<212>   DNA
<213>   Glycine max

<400>   17786

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gaagcatgtg taacacttgt tgtaactttg atgaatggga gtcttgtgag acacaactca   120

aagttcaact tctctccctt tttcttcctt caatttcatg ctcccccctc tctctttctc   180

tccctctttc ttttcctcca ttgaagcatc ctctccaagc ttcttttcca aggctcatct   240

tggtggtgag gctccttctt ccatggctta ttccctattg gatggcgcct cttctcacct   300

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gtagctc   367

<210>   17787
<211>   425
<212>   DNA
<213>   Glycine max

<400>   17787

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ataattatga cctctccagc aacagataca atcccagatg gaggaatcac ctgttagaca   120

aatggcctaa gttatcttaa gaaggggggg ttgaattaag ataacaagaa ctattcccca   180

attaaaattt tactctctct ttttagatta acaatgcacc cttaacatga attactcaaa   240

agacaattca aaataaactt ctttcaagcc aaagataaat agcaataaat aaaagaagtt   300

taagggaaga gagaaatgca aacttgattt ataccagttc ggtcacttcc tgtgcctacg   360

tccagtcctc aagcaaccca cttgagattt tccactctct ttgtaaaatc cttttacaaa   420

gtctg   425

<210>   17788
<211>   322
<212>   DNA
<213>   Glycine max

<400>   17788

7455

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ctatggacca actctgtcgc tgaggaacat gacactggcc caataatgtc gatatatgaa     120

taaaagctct atctgggtga gtggatgcct ctatggcttg atatctatgt gtgagtcagt     180

gcatgtgtgt ataagatttc tctctaggca taccatacac aactctttat acaaaaatga     240

aaccacctga attattagcg aggcacagct tgcccatgat cttattgatg gcactagcta     300

agagatcttg tgctagagat ct                                              322


<210>      17789
<211>      429
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17789

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acgttcatca atgacaatag tcactcacca tagcgtagac atcttgcgat actgcttgtg     120

aaaaatgcta tccactcatc gcagctggtg atcatgacac aatgctccat gactagagcg     180

caatgtccag cctctccacc gcttctaatg cgattcagaa gacttgggat tgatgtgaac     240

atatcttcgt tagaagcgtc tccactcatc aacgctcagc tgtttatgtg gcacgcgttc     300

aactcaagat gtgaatcaat acctctgtgg atggcacttc attatgctta gcatataata     360

tactcatcgg agtgcattac cgatggtctc tgtagatgac aactagacta gctgtatgtc     420

ctatgttcn                                                            429


<210>      17790
<211>      377
<212>      DNA
<213>      Glycine max

<400>      17790

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taacttccac taatatatag agcgactact cagaaagaag ggatgagcct taattaatcc     120

catctaatat acctaattaa actaattaca caaaacaaag cccaaattcg cagcccaatt     180

attcaagtgc ggagattcta acttccaagg ttaatttgac cctctaaatg gcagaattgg     240

ccaaagctta ttggtgaaaa aatagaatat cttttttgtta tctttctagg gactacccac     300
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aatctccatt ttgagttatg tagtgtcgtc taggatctac acaaggaaaa taggtcaagt   360

aaccacaaaa atccaaa   377

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<211>   434
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17791

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aacacagtta taacaatgga gtagcaagat ataagtatca gagtagtaaa tacaataagc   120

caaaaccata atcaagaaat aatcaaacca aaattcaaag atcataaaat gtcaacaacc   180

acaaaatatc caagactaaa atttaagaac acaaaataaa taagcaaagt acttagcata   240

ataatgtaaa ttctaagaaa ctaaaagcca aaatacacgg cttataaaag ataaatattc   300

agaatctaaa atctaagaag acggaggagg tggtggaaga tcgaaactct gacgaatgta   360

tccgacatcc tcttcaagct gtgtaagacg aatgtccata ccggcaaagc gtgaatctaa   420

cgagtcaaag cggg   434

<210>   17792
<211>   359
<212>   DNA
<213>   Glycine max

<400>   17792

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gatgggttgt gtatgctcca aagcatgttt gattttctat gggtttatgg aatttggtgt   120

tggattgcct ttagagtcct ttccctttgt atgcttttga tttgagaatt cttgatggaa   180

tcttgtatat gtttaattga ttgctgattt atgttttttt ttggacttgt gttgagttct   240

gagtcattta tgagtgtctg gaggggttgg gagtgatgaa aatgcgttta tgttcacaag   300

aaccctgaaa ttgcaagttg tagagtttgc atacttgcta agcaagacaa gctcattgt   359

<210>   17793
<211>   429
<212>   DNA

<213>   Glycine max

<400>   17793

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atcattagtt gcaacaatat atcatcaacc tacaggatta gaaaataacc ttactcccac   180

tgaccttcag atatatacac cgatcaacag tattttcctt aaatccaaag gaaacaatgg   240

tatcattaaa cttcaaatac cattggcgag aagcttgctt aaaaccatat attgatttct   300

ttaatttgca caccatatgt tcctttccct caactgagaa ccccattggt tgatccatat   360

aaacattctc ctctaaatct ccattaagaa aggcaatttt cacatccatc tgatgtagct   420

ccaagtcat   429

<210>   17794
<211>   379
<212>   DNA
<213>   Glycine max

<400>   17794

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gaattgacat tccttggatt atagggttga accaaactca tgcttttaca aaaaggttca   120

tcaagtcaag ttgaaatatg gaagtaaccg tcctgcaaaa ttggggcaaa agatgaattg   180

agtcacatca ctgcttcgtc tactgccaaa catatttagg attgttgatg tccttgttac   240

ttccagtttc accttgacaa agatgtcatg gatcatgttg aaaatctaaa ttgattcaac   300

cccatatcct gcgtaaaaat tcgcaatact tcaactatac atcattcgca tacatccatg   360

cttttcattg gttgcattg   379

<210>   17795
<211>   428
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17795

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cgacagtcac cgctttagga gcgttgtaca ccagcagcgt ttcgaagcca tcaagggatg   120

gtcgtttctc cgagagcgac gcgtccagct cagggaggac gagtatactg atttccagga   180

ggaaataggg cgccggcggt gggcaccact ggttactccc atggccaagt ttgatccaga   240

aatagtcctt gagtttacg ccaatgcttg gccaacagag gaaggcgtgc gtgacatgag   300

atcctcggtt aggggtcagt ggatcccgtt cgatgccgac gctatcagcc agctcctggg   360

atatccgatg gtattggaag agggccagga atgtgagtat ggccagagga ggaaccggtc   420

tgatgggt   428

<210>   17796
<211>   369
<212>   DNA
<213>   Glycine max

<400>   17796

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tagcttgatt attttcattc cctttatcaa atctctcaaa gtatttttta agtttaataa   120

tttggtattt ttacactaga ataacgtcaa aatagaatta caattttaaa agtaaaagaa   180

gtaattaagc ctatacctt tgtatgcaac attttcattt cttttaaatg aaattttact   240

atctatatga agggaaagta gcactatgcc ttttgtctca actctcaagt ctaaagttgt   300

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tagattctt   369

<210>   17797
<211>   425
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17797

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actcctcacg tttggttttt tagggaaaaa caccataact aaacgcgcca caaggcatcc   120

ctatcgcacc agatccaaat ctagaacgat gggtgatcaa gaggagacac aggaacagat   180

gaaagccgac atgtcgactc tgaaagaaca aatggcttcc atgatggaag ccattgttag   240

gaatgaggca gctcatggag aaaaacgtgg ccaccgctgc cgctgtcagt tcggctgccg   300

7459

aagcagaccc aactctcttg gcaaccgcgc accatcctcc ctcaaacata gtaggacgag 360

gaagggacac actgaggcac gatggcaacc ctcatctggg atacaaccga gcggcttacc 420

cttat 425

<210>   17798
<211>   365
<212>   DNA
<213>   Glycine max

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ttaccaaaga gtttttactc tctattaatc gattaccaga ttattctaat cgattaccag 180

tagcaaaatg gatctgaaaa agttttcaaa ctgaatttac aacattccaa ttaatttcaa 240

aaagctgtaa tcgattacaa tgtgttggta atcgattacc actgcctgtg aactttgaaa 300

ttcaaattca aatgtgaaga gtcacatccc ttctcacaaa agctttgtgt catcaatgac 360

actga 365

<210>   17799
<211>   413
<212>   DNA
<213>   Glycine max

<400>   17799

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gctcatgtcc tgatgtaatc agtcaaaacc atattgtaag tctttcatac aagcggaaca 120

agacaactaa acaatttctc ttttaaactt caatatatta tcattcctga taaataaatt 180

tcatcatgat caatcatgta aagttcaaag caatcaatcc actggttaca gaaataatca 240

tctcaacagc atagccagga catgactacc acaatctatc ttccccggtt tttaaacatg 300

atgatcaata ataatgttaa acagcattca aacctatcaa caacaccaca gcaatctatc 360

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<210>   17800
<211>   379
<212>   DNA

<213>   Glycine max

<400>   17800

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agcttagcta cacacacccc tctaataact aagctcacct ccttgaaagg cttccttgaa   120

aagattccta aagaagctag agcttagcta cacacacctc tctaatagct aagctcacct   180

ccttgatatg agaagctaga acttagctac acaccccta taatagctaa ctcacccca   240

tgacaaaata catgaaaata caaaaaaagt ccctactaca aagactactc aaaatgcctc   300

gaaatacaag gctaaaccc tatactacta gaatggccaa aatacaaggc ctaaacgaag   360

gagaaaacct atcctaaaa   379

<210>   17801
<211>   453
<212>   DNA
<213>   Glycine max

<400>   17801

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caaactccat tgaaaatgtt ctacttgttg aaggccttaa gcacaacttg cttagtgtta   180

gtcaattatg tgataaaggc tatctagtat catttgattc tcaaaaatgt ctcattgaac   240

ataaacatga tactaatata aaacatatag ggtatagagt caacaatgtt tatatgatag   300

acataagcca aaaattagat aataataaat tttttcttag caaagatgat gatccatggc   360

tatggcataa acgtattgct cacataaaca tgaaacactt aaataaatta atttcaaaag   420

atttagttgt tggtttgcct aaattgaaat ttg   453

<210>   17802
<211>   372
<212>   DNA
<213>   Glycine max

<400>   17802

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ggagtgcaga gcatcataac ttcttctctt tcttgttctt gagaggttgg tctagagacc   120

ttgaagcgaa aaattgttgc taagcatgca caccctttcaa tatatccttg ggcattctca   180

attgtcaccg gaatcttgtc tcatgttcac gagacacgat gaagcttgat atctgctcga   240

gagacctgca ttcttggacg caccctttctc ttgggagtcg tgactatgac acgaacaggg   300

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aagaaaatgt gc   372

<210>   17803
<211>   380
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17803

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ctgctgngag tttttttatat taagcacaac atgaaatctc gactcgcgag gcttggacta   180

cctcatctcg ataatgacgt cggttcatac actatgtaaa ctggcagact cctctcacac   240

gtcagagtct accctaactc gaactattct agtgcagtat aattttactt atatcacact   300

agttaacgtg cgattttaac tagcatgcac tacagtgcta ctcgtcactc tagcacttct   360

cattagcata gattcttgct   380

<210>   17804
<211>   381
<212>   DNA
<213>   Glycine max

<400>   17804

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aatctgtacc tgtcgcaagg gtttgtggtt tgtgctcctc tgctgaccac catacagacc   120

tttgcccttc catgcagcaa cctggagcaa ttgagcagcc tgaaacttat gctgcaaata   180

tttacaatag acctcctcaa cctcagcagc aaaatcaacc acaggagagc aattatgacc   240

tttccagcaa cagatacaac cctggatgga ggaatcaccc tagccttaga tggtccagcc   300

ctcagcaaca acaacagcag cctgctcctt ccttccaaaa tgctgctggc ccaagcagac   360

catacattcc tccaccaatc c   381

7462

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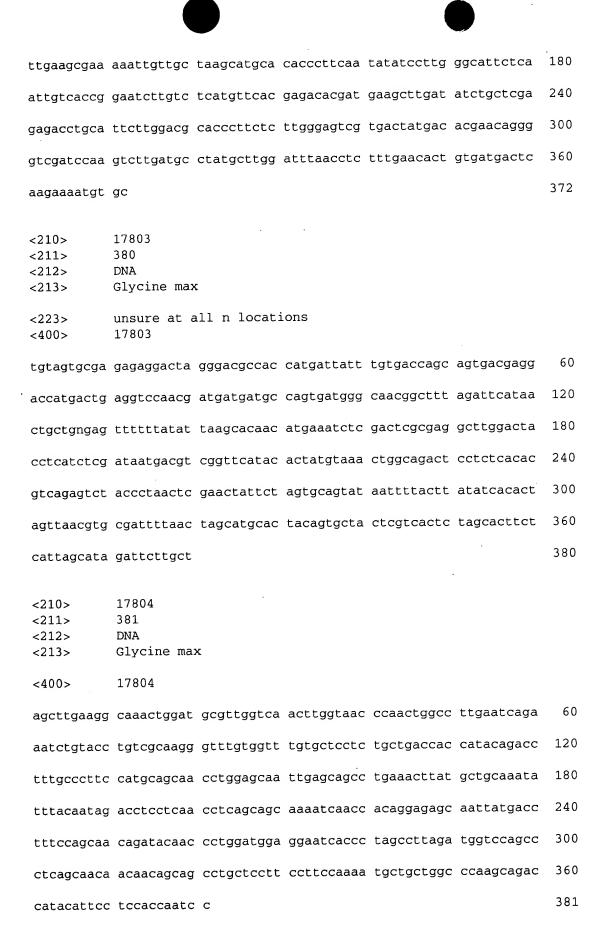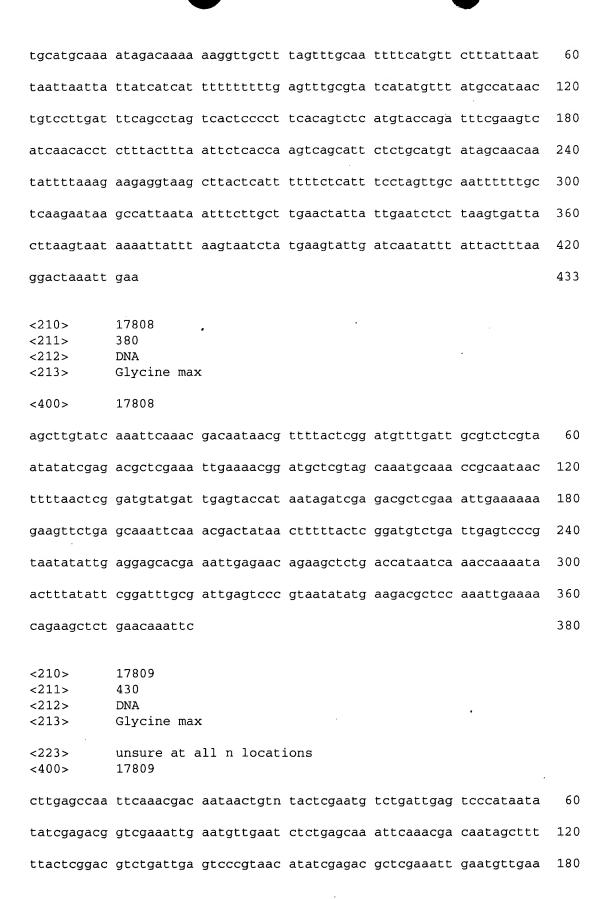<210>      17805
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<213>      Glycine max

<400>      17805

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taaaactatt ggggtttcaa agaaggtatt taggctgtca gcatcaatct tgattaagtg   180

tcctgatgca atcctacccc gcaagggcat tggatagaaa actccaagta gattgggcca   240

aagatgcaag agaaggccct agggttctta tgagccttaa ggtagatttc gggcccatgg   300

gctaagtatg agcccactta tctttgtaaa tattagatta aggtttcatt atttttgggc   360

cttgtatttta gggctccata atgtaagtag ggtaccctag aaatatagga tgtttcagcc   420

ctt                                                                 423


<210>      17806
<211>      380
<212>      DNA
<213>      Glycine max

<400>      17806

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tgaagtttaa ttccaatgaa gatgttgggc ttagcacagt gatgtgtgct tagctgaact   120

attcagccaa ctagccaggg gtctaagcac ttagcgcgag caagctcagg cttagcatgt   180

gaagatatgg cgcttagcgc aatggttgcg cttagcggat gggtaactga aaattttttc   240

tgagtctttt ttgtccatct cttcacctag gcttaaaaac ccccttgtt cactactaaa   300

caagctgaaa aattaatcac aatcacaagc aactatccta actacatgca agagatacaa   360

aatgaagaat agaaaaggga                                               380


<210>      17807
<211>      433
<212>      DNA
<213>      Glycine max

<400>      17807
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taattaatta ttatcatcat tttttttttg agtttgcgta tcatatgttt atgccataac     120

tgtccttgat ttcagcctag tcactcccct tcacagtctc atgtaccaga tttcgaagtc     180

atcaacacct ctttacttta attctcacca agtcagcatt ctctgcatgt atagcaacaa     240

tattttaaag aagaggtaag cttactcatt ttttctcatt tcctagttgc aattttttgc     300

tcaagaataa gccattaata atttcttgct tgaactatta ttgaatctct taagtgatta     360

cttaagtaat aaaattattt aagtaatcta tgaagtattg atcaatattt attactttaa     420

ggactaaatt gaa                                                        433


<210>     17808
<211>     380
<212>     DNA
<213>     Glycine max

<400>     17808

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atatatcgag acgctcgaaa ttgaaaacgg atgctcgtag caaatgcaaa ccgcaataac     120

ttttaactcg gatgtatgat tgagtaccat aatagatcga gacgctcgaa attgaaaaaa     180

gaagttctga gcaaattcaa acgactataa ctttttactc ggatgtctga ttgagtcccg     240

taatatattg aggagcacga aattgagaac agaagctctg accataatca aaccaaaata     300

actttatatt cggatttgcg attgagtccc gtaatatatg aagacgctcc aaattgaaaa     360

cagaagctct gaacaaattc                                                 380


<210>     17809
<211>     430
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<400>     17809

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tatcgagacg gtcgaaattg aatgttgaat ctctgagcaa attcaaacga caatagcttt     120

ttactcggac gtctgattga gtcccgtaac atatcgagac gctcgaaatt gaatgttgaa     180
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cctccgagac aattcaaacg acaataactt tttacgcgga tgtctgattg attcccgtaa   240

tatatcgaga ccctcgaaat tgaatgttga agccctgagc caattcaaac gacaataaat   300

ttttactcgg atgtctgatt gagtccccgt aatatagcga gacgctcaaa atggaatgtt   360

gaacctttga gccaattcaa acgacaataa ccgttttact cggatgtctg atggagtccc   420

gtactatatc   430

<210>   17810
<211>   363
<212>   DNA
<213>   Glycine max

<400>   17810

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taaaacatac acatattcat ggaaataact ctcacgaaat atatgactga agccatgaac   180

attctcaaga taatggggct ataggaaata atgaactttc aagagaatgg aaagcctcta   240

gagatcatcc tctcgacaac attattggtg atatatcata aggggtctca actgcacatt   300

ctcttaaaga tttatgcact aatctggcta ttgtctctat gactgagcct aaaaatatga   360

aag   363

<210>   17811
<211>   427
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
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tgtctgaaat tttgtggggc tgagtgaaga gagagagagt tgcttttttgg ttttaaatga   120

aagggttttc tcttttttct attattttat tcaagctatg ccacatgtct tcatttgagt   180

ggagcaagaa gggcccactt tcccttttta attgtgactc atactcaacc acaaaaagtg   240

agaaaaacct gacctttgaa acgctaaaat cctgccttgg tttgcgtgcc gtttctctgg   300

ttccagttcc tcacgtttct ctgcgtccgt cggggccagt tttcgaaagc aagcaatata   360

tatatcaaaa tgctcagaat aaaaccccga gcgtggttca gaggttggtt ttcgtaaatt   420

ctaagtc   427

<210>   17812
<211>   374
<212>   DNA
<213>   Glycine max

<400>   17812

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tgagtgacat ttgtattggt tattaacttg attattgcat cttagtacat ccgatattta   120

ttttgcattg tgcatcatca tagtgtgagt gaagaaaatt ttctaagtta gaaaaatttc   180

ttcagaggca aaaactctat tttaatcgat tacaacaagt tgtctgaagc ttaaagagtt   240

aagtctcgta ttggtttaat caattatggt agtattttaa ttggttacat ttttgtttga   300

gacaatgact gatttttcag gagtctctac tttaatcgat tacctggtgg attaatcgat   360

tacttctctc tcat   374

<210>   17813
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<212>   DNA
<213>   Glycine max

<400>   17813

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aacaagtttt ccacatccac aatgcacgca taaacccacc atcccctgtt gcccacctcc   120

aactgagctc acgtactccc acgtagccca tatcctcgtt tctctcaaca ccgggtcccc   180

atcaatcctc ccaagcttcc acaacatcca agaaaaacaa cattcaaaca gcacaagcta   240

tcacagccaa gcaaaacaga gtaaaggcag aaaactctgc tcaacacatc aaccaaaatc   300

acagcttttc tcacttaaag accacagtaa caattccttc gatccaattc gttaaccgtt   360

ggatcgactc caaaatttta ctggaagtct atagtgcata agcctacatt gtaaccgttg   420

ggatctact   429

<210>   17814
<211>   379
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17814

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ccacaaacat gcaaaaatga gcatagatag aagcaatgaa cacataaaaa taacattaaa   120

tagatagtaa gataatttta tatcaaaggt tcagcagaac tccccaatca agaggtttag   180

ccttccatta caagtaatga gctttcaata caaaggccag attttgaggg aagaaaatgg   240

ctaaggaggg ttgaggatgt ctccttcaac ctctagaacc ctaatctcac tcttcccacc   300

tagactctct tggtggcttc gtgtttgtcg ctctagcttc tcccttggct ctgttnttcg   360

actcctctct tagtttcca   379

<210>   17815
<211>   444
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17815

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caggtatttc aactaaattt tgaatgttgt tataatatgt tgcactaaaa atcttaattt   120

gtaattgact aactacaaaa tgtatttatt atatcataga ctaaatttga tattcctgaa   180

tcatctaatt tgagtacaaa gaaaaagaaa cttcagatcg tacgagagaa gtggatgcaa   240

tctaaatcag atttgacctc caaatatgcc ctggcacacg acaaggaggg caaggatgac   300

aaagtatgca agaagtatga cataagcaaa gagaagtgga cccagttttg tcagagacgt   360

agagaccctt catgggagga taattgatta tcattgtgtt ttaaacttca tatgtacgta   420

ttattgtcga ctgtattaac ttac   444

<210>   17816
<211>   374
<212>   DNA
<213>   Glycine max

<400>   17816

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tagactaatt tagcctaagc tttgtcctca gatccctctt gttggactag acttagacca   120

aacaacatta ttgtaacagc atacttaaaa ccaaaactta atccgcagat ccctcttgta   180

agactaagtt tcaattatgc ttcattcaag ttctaaggaa accatacatt ttccaatgtt   240

aaaatcacct aagtatgcac acaaatggct gatcagacaa aagcatacaa aatttaagca   300

cggaaagaag cattgaacac aagatcccca atcaattaga tatgataata attaaatctg   360

ttgttcagta gaaa   374

<210>   17817
<211>   427
<212>   DNA
<213>   Glycine max

<400>   17817

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cttgagttta acctttatag taaataagcc gaaccgagcc gagccttaca taggccgagc   120

caaaggccct tgacaagctg ctcggctcat ttccacccct attagtgact atataggttc   180

acctgtgtat ctttatctat tttattcgaa catgtatggt tgggttatgt atttatttta   240

ctcgccgact cagagtatta acgcgttgaa cagttactac attttattat gcacatttta   300

aagatcaagt gatgttttat gaaattggat aggaaagttt ttaatctccc aaaaatttcc   360

gctatttttt ataatctttc aagttaacct tatggaacac tgatgactat cttttttctta   420

agtaaat   427

<210>   17818
<211>   379
<212>   DNA
<213>   Glycine max

<400>   17818

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gaaattgtaa aactctcata cccttgattt tgtaaaacac gccaagtcct tctatagttg   120

cattattgtt tgagaaatct aagaaacaca ttattttttg catatttttt tattggtcaa   180

aatttattaa aaataatgaa attgattaaa tgtgatagtt ataattcaga atataagata   240

gtgatctaat tattgttggt cattatttaa tctcattttt agttgagata aattagacaa   300

acactttag aatagataac catgtgaatt taataatcca aggctgacta aaacggcctt   360

ccagtctcac gcagttgat   379

<210>   17819
<211>   430
<212>   DNA
<213>   Glycine max

<400>   17819

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aaattggatg agggcaagtg tggtttcgaa aatctgcact ttatgcagaa ttttgctgtc   120

aaatatgtgc agcagaattt tgtatatgtg cagaaaaatg cttgtgtatg gctggtggtg   180

gaaagggtag tacatatggg gttctggata tttgctagca gatcccaacg gtcaaaatgt   240

agacttatgt aatagagact tccagtaaaa ttttcgagtc gatccaacgg ttaacgaatt   300

ggaacgaaga gaatgttatt ggggtatttg agtgtgaaaa gctgtgatat tgatttgtgt   360

tttgggcaaa gttttctgcc tctgctctgt tttcttggct gtgttagttc atgatgcttg   420

gatgttgaat   430

<210>   17820
<211>   370
<212>   DNA
<213>   Glycine max

<400>   17820

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tgccgattga acttgcaggt ctgttgtgat gtggctttga catgtcacat tgacatatca   120

aacttttcct aataagtaaa ttcaaaaatt tggagccggt gttattgcta aatgttagat   180

gcattaattt tttaaatgat gaaaatacca ccaaaaaaat tatttgaata agtctttcaa   240

cactgtgtca tgactacaac attttaaaaa aacagacccc gagtgtattt gttcatcact   300

ctcaccgaaa ttaataaaca ttcatgcttc tagtgtcttt taactggtca gataacgtcg   360

gcgacccatg   370

<210>   17821
<211>   425
<212>   DNA
<213>   Glycine max

<400>   17821

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ctctgttagg catttcaatg ttgaaatata tcttgaagcc tttcttcttg ccttcatcac   120

agatgggtaa ccttgagtag gttctgttac gaaccatctt catgtcaata gctctactga   180

tatgaagaat tggtggataa gatgtagctt cattaaaaaa tgtacatctg ttcagaattc   240

tagctatcat atccaactca atctgtgagg gatttagatc aacaggatta ttgcatagaa   300

atcttgtaat aggcgtacgg atgttaacat ttttagacca ctaaacctaa gaagatgagt   360

tctcttgaga tggatccatt ttgtttcttg aggatgtaac aatggagatc ttctcaaatg   420

gatca   425

<210>   17822
<211>   376
<212>   DNA
<213>   Glycine max

<400>   17822

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aacaacacaa tgtcccaaaa accctcctgg tcaacaaggt cacccacttt ggactggaga   120

aggtcctttg gcaaatcatg aataaaaaaa tcataaacaa cattgccttc aagtcataaa   180

tctaaccaaa agtttacaaa ctatccattt cccactaacc ttgttcttga tcaatgctgg   240

attgaggatg tcccaagcga attagaccaa atcattttga gtgatgtaat ttctcttcta   300

ttcattaata aaatatccag cgtattgatc ctaaaaaaaa aaaaaacact ctgttgatag   360

cacaaactac cattac   376

<210>   17823
<211>   425
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17823

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ttgaatgaat caaatattaa attggcactt tttgctgatg gctcactgat agtgccgtgt   120

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tgcaggaagt cagccgtttg cttactgggc ttaattgtgg aaaagcactt gaagcagttt   180

ctctcccaga atctgcaact tccctctctg cggaacatgg ttttgacatc caggtatgat   240

tcaatccact ttttactata tggtttttc  ttgtgttgtg ttgaactttt tttttaatgt   300

acttggctta tgtagtactt gtgttgtgct taactctttt ttaatgtact ggcttaaat   360

gtatttgagc tgtgttgaac ttttttttga agaaataatt gattnttact attgagaaat   420

tcttg                                                             425


<210>       17824
<211>       377
<212>       DNA
<213>       Glycine max

<400>       17824

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taggaaaaac gccatttctt ctcctctctt ccttccaaaa ccatttctaa cgtcccaagc   120

actttctcca tcacccacaa ccaccattag ccaccacaaa ccgccgttgt tctccgttgc   180

aaccccacac tgagagaaac ccttcgaccg aagcggaatc ttccaacttg gctcgcggtt   240

tcggtagaga atgaaatcct agtctgacct ttcgttttcc ttcgaggtaa ccatggttct   300

acgcttgttt cttgttagtt tcaacttgtc tttgtatctt ttctgacttt ggaaccgtca   360

ttgcatgttt tacgttt                                                  377


<210>       17825
<211>       424
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<400>       17825

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tctattttgc aggttacagg ttgcacactt tatggtggag ctcatgggtc aggcttgtgt   120

attcccacta aagaaacgtc tcatgaagtt aattacatgg gaaaccagcc tggacaaaat   180

tttaatgcag gtggattttc tggatttcaa catggccaac cttaccagca acataatcaa   240

tggagaactt accctggtaa ttagttcaat aaagtccagg gtgggccacc taacaggcca   300

caacaacaag ggcctagctt atctgagaga acaacaaagc tggaagaaac tcttgctcag   360
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tttatgcagg tgtcattgac taatcataag agcacagagt cagccataaa aaatctagag   420

gtct   424

<210>   17826
<211>   375
<212>   DNA
<213>   Glycine max

<400>   17826

agcttgttta ggatgcttta atggaggaaa agaaagagag aaggggtag catgaaattg   60

aaggaataaa agagggagag aagtggaact ctgaagtgtg tctcataata ctttcattca   120

tcaaagttac aacaagtgtt acacatgctt ctatttatag actaggtagc ttccttgaga   180

agctttcttg agaaaacttc attgagaagc ttctttgaca aaacttcctt gagaagctag   240

agcttagcta cacacacccc tctaataact aagctcacct ccttgagaag cttccttgag   300

aagatttcta aagaagcttg agcttagcta cacacacctt tctaatagct aagttcacct   360

ccctgagatg tgaag   375

<210>   17827
<211>   428
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17827

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caatcatctt tgaatcatct atctttcaat ctttttтcaa catcatctct caaacatctt   120

tcaatcaatc tttcaatatc tttctaaaga attttctgat tcatttctct tcttctttct   180

aagagttttt gttcaataca ttctctttca agaaaagttc attgttcaaa aacttgtgct   240

attctttttc ttcattctct tctccctttg ccaaaagaat agaaggacta accgccagaa   300

ttgttttgtg tatcccttct ctctttacaa aatattcaaa ggactaaccg cctgagatat   360

cttttgtttc ccctttcaaa gattcaaagg actaaccgcc taagaattct ttgtgccaac   420

acattgga   428

<210>   17828

<211>   542
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17828

agtggtgtag tncctgatgt catcgcacac tccacggcga tatatgaact cgtgcccccg   60

ggggatcctc tatgagtcga ctctgcatag cactgcatag ctttgttgta tgtattgtca   120

ccacagacat actaacgagt tctgtcacct gtatcttgca aagatttcac tactcaacat   180

atgataactt tgatcgctag taatcggtta ctcatctgtg ttaataatag aggaatgttt   240

ctccgcatat actatccgag gaccatacta cactgtaccc ctgacgcata ttatcatacc   300

ttcatcataa ctctaactga actcttgaaa caaataaata agatattata atgtaccttt   360

cttaatataa atgcatacta acttgtataa acatatcttt cctatatttt aaatgacatc   420

atttttaaa taccttctat ctttcaaatg gtctaattgg aactgaatat cttaattaca   480

tcattttagt gacatatttt actttccaaa aatattaaat attaatatct cattatctaa   540

tc   542

<210>   17829
<211>   432
<212>   DNA
<213>   Glycine max

<400>   17829

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ccattaccaa ttcgccacct aacaccctcc ttgacatcct tccagctaga tcatatgccc   120

ttccagaaat ttgagctatt catctttttt ttccaccact ggaaggaatg ccattatttc   180

cacacttata cttggctctc actacatcgg cccatagaga attcccgttt agtgcaaatt   240

ctccaaccag atatcataca ggacttattc atagcgagag aagatcttaa gcccacacca   300

ccaatctatg ttggcttaca tacatccttc caagctattg catgaactgt cattgcgttc   360

tcctcctcac acacgaacgc tctacatttg tcatcaatct ccttacaaat gtaagctggg   420

atttcgacga tt   432

<210>   17830
<211>   352

<212>   DNA
<213>   Glycine max

<400>   17830

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taattatgac ctttcaagca atagatacaa tccaggttgg aggaatcatc caaatctgag   120

atggacaagt cctccacaac aacaacagat tgtgcctctt ttttagaatg ctgtctagac   180

aagcatgcca tatgttgctc ctccactaca gcagcagtca catcaaagac aacaagcaac   240

tgaggctcct cctcaacctt tcttagaaga gttagtgagg caaatgacca tacagaatat   300

gcagtttcag caagagacaa gagtcttcat tcagagtctg acgaatcaca tg   352

<210>   17831
<211>   424
<212>   DNA
<213>   Glycine max

<400>   17831

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aaggaccaga aaaaaggtac catatgattg aaatcttgct gtagcattga tcaactcatc   120

tagaacgttt agaccgtatt tccaaaacca ttatattaaa gtgataattg atcatcccat   180

tcaacgagta aagagaaaat ctaagcttac aagtacaatg gtagcgtgga tagtcgaact   240

ttttgagttc ggtttgaaat ttgagccaag aggtgccatc aaagggtagt acttggtcga   300

cttcatggac gagctacttc ccaatgaagg ctacaacgaa cgttagtgga cattatacat   360

tgatggaact tctaacaaca atagtactgg tgttggggtt actctgatag gaccagatgc   420

catc   424

<210>   17832
<211>   375
<212>   DNA
<213>   Glycine max

<400>   17832

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ttagggaagt tgtccatcca agttgatgtt gtcattgcac gatcaagctt ctcaagaatt   120

ttgttggggg aacctttgct ttttgtcgtg cattgctttt ttaaatccag ttataagata   180

7474

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atttgggtga gggttgagac cttactttc atcacgagag agtatgtcgt tgaagtcatc      240

catgatacac cacgggagag tgttgtcaca cgaaatggtt cttataaaat tccaagagtt      300

cctccgacga gttctgtaaa gatagccgga ataactagta tagcgccagc tagggcttcc      360

aatcacagag atccc                                                       375


<210>      17833
<211>      433
<212>      DNA
<213>      Glycine max

<400>      17833

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gaccgagagt gctcactgtg ttttccccta catagtacag aaaagagcaa gttgataaac      120

tcaaagtagc caccacttat acatggacca tacatgtcac agaagacaaa gaactggtac      180

ttactgtgag caaagaacat ggttgaaaaa ctaaacctgt caaataaata acaaatagaa      240

gttacaacca tatccagagc taaacgaatc aaaaatgaaa accctaccgt tggttgatat      300

gattactgta tgtatcatca acatgggtag gctcaatata gagagcctga gaaagggagg      360

agggagaaaa agaccagatt tccttaccac aaaattgtga ccatttgttg tttgggaggg      420

cccctaatat cat                                                         433


<210>      17834
<211>      370
<212>      DNA
<213>      Glycine max

<400>      17834

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actccctttg caaatctgat tttaggctta aataggtggc cttgttcgtg ctcatgcgct      120

tagcacacgt atggaccgct taacgcacgt tagggatttt tggctcagcg cgcttctctc      180

gcttatcaga tgagctgaag cggtgcgctc gatgacttgg agcagtgcgc tcagcgaacc      240

tgacagctca tcttcttctg gattcttccc aatttgccta attaacctaa aattgagaga      300

aattgtttat taaacacaca aaacatacgt attaatgatc tattacctat atttaacaaa      360

aggacttatt                                                             370
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<211>   423
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17835

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aaggtcttag agaccataca agtttcctaa cgatttctaa ttatgtgggc cattaagtct   120

atcatatgct gacaatagcc gagaagccca tgaatctctt cggggggcgga gtaggtgtct   180

gccatcgcct tggccttggc taacaatcgg ggaagttctt gactcccgtt caaggtaaga   240

gcaaaccgat ccatccacat ggttgcctct tggtgtaaag aggcgatcac ccttcctcta   300

gcctctgtgt ccgcgtatac ttgggcatac tcatccgcga ttctatgctc gtgggccgtg   360

gctagaccta actcttcttg gtacttggcg atgatagcta acattgtggt ctccgtctcg   420

cat   423

<210>   17836
<211>   369
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17836

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atcttaaaaa tccataattc tccagaccat gaccatgatc atatacaaga tacatattaa   120

cctccaagca caatttattt catactctaa gtttaaccag gattcatatc ctaaatcatt   180

tgattatgag acacaagact ctattaccta tgtcaaccgt tattgatttt gaaaagctca   240

ttagattact ataatgctat aggataagat ttgatgataa tataatattc ttatttatta   300

taatatgtta tctgatgtat atgcaaacat aactattgtt cgtatctta ttcctatcta   360

atccttata   369

<210>   17837
<211>   380
<212>   DNA
<213>   Glycine max

<400>   17837

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ttaggtttta ggattagaaa agtatgaaaa tatggacttg tttgtaaaaa tttgggctgc   120

cccatgattg gcactttgca cctaagtaac atgggagatg tttttcaagg gtgtgcggat   180

atatgtgtta aaatatatgg cgtaaaaaat atgttgcaaa gtgtgtgaat atatggtaca   240

aaaatacctt gcaaagtgaa tgaatagaaa ataatgcatt acacaatatg tatgtttgtg   300

gatcagtagc ataaagagtc tttcaaaaaa tgtgtacccg tgccaaatat gggacgagaa   360

tgctctccga atgcatatat   380

<210>   17838
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<212>   DNA
<213>   Glycine max

<400>   17838

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gaagcaattc atggagcttg tatactcaca actataattt ctaaattcgg aatttgcttg   120

tgaaacctat gttgttgtcc ttatagtgcg atttgcagaa gatccctgtc tcattcaagc   180

cttataagct atacatgaag acgtatgaat ctataactca gcttaatcac cgatctttct   240

atgatttgac tctttacaaa gaaataacac tcttttaatt taatacgttc tatggtcctg   300

ctagtaaaaa tcatcaactg ttaacgatcc   330

<210>   17839
<211>   225
<212>   DNA
<213>   Glycine max

<400>   17839

cgacgagcat tgaaaaagcg aacaccccag aggtgaccac caaaaacagc ggaaaagcca   60

atatcgcggg caacggagaa cacaaaaaaa aaaggggaaa gccagaagaa aagagaaaga   120

aagacaaaca aaacaaacaa aagaagaaaa ggggagagag gagcaggaag agaaaggaaa   180

aagaggaacg gaagagaaga cgaaacgaga ggaaaagggg aaagg   225

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<210>      17840
<211>      357
<212>      DNA
<213>      Glycine max

<400>      17840

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cattaattat ttactatacc ttctcttcca ttgtcgtttc ttcatttttc tccatgtatc   120

tcctcacacg tcttgagcta aatgttgtta acatgattct ttatagttta caccgattaa   180

actcgctata taagctatat tcgatattct atggttcaaa tttcttgttc ttgctcttga   240

cccatgaatt gtgtcgagtt taggatcctt tgagattgtc ttgctattct ttgtggctga   300

aacctaaacc atataattcc tataaaaata tttaagtata ataaatcctc aaaaatc      357


<210>      17841
<211>      426
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      17841

gtagttctta aatttcttgc ngaatattga ttagaatata taacacaaaa atctaagtgt    60

aaatcacttt attcatgtag tcttagagtc atgtatagtc ataataattg tcacattatg   120

ttctaagttt atgttcaatt ttgattttgt tgattgaatt ctagatacat ttgttcatgt   180

attcttgcaa ttcttagcct attatttgaa ttttgagtct aattcatgca tgttgtttag   240

ttcataacat gttctaaatc aattcctaga agtagtcttg ttgaacttta ttttttttgt   300

tttctaagtt tcctatatga tgcccatgaa gaaattgagt tgtggtgctg acgtgtggct   360

ggatttgtga ataaaaataa tttcttaagc tctcttgagg tatattattc gagacaattg   420

agcata                                                              426


<210>      17842
<211>      377
<212>      DNA
<213>      Glycine max

<400>      17842

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ataatatata tgattaccca ttctatcttg ctaacttact agtggtaaac cttggtcacc   120

ataaaaacta aaaatgctta accttaagac atgtgtctta tatagaaggc tactataaga   180

gtaaaaatac aagtaaacca gtattttttt ttttgaaaca tacaagcatt gttgctctgc   240

tcctcaaaag atgctagaca tcactttatt ctgtcaaaaa tgcagtgtca taaaattggt   300

actctgtcca acccagagaa atgaatatat tgaagccctt atttagagac taagtttatg   360

ttgcttgata gatgcta   377

<210>   17843
<211>   432
<212>   DNA
<213>   Glycine max

<400>   17843

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tctcaaggaa gttttctcaa agaagcttct caagaaagct tctcaagtaa gctacctagt   120

ctataaatag aagcatgtgt aacacttatt gtaactttga tgaatgagag tcttgtgaga   180

cacaactcaa agatcaactt ctctcccttt ttattccttc aatttagtgc tccccctct   240

ctttctctcc ctctttcttt tcctccattg aagcatcctc tgcaagcttc ttatccaaag   300

ctcatcttga tggtgaagct ccttcttcca tggcttattc cttaatggat ggcgcctcct   360

ctcacctctt ttcctttgtc ttccgctgca tctccatggt ggaaaatcac cattaaagga   420

cctcattgaa gc   432

<210>   17844
<211>   369
<212>   DNA
<213>   Glycine max

<400>   17844

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gaagtgttta actggaatta gaatatttga tgtataatgt ttggattttc tttgtataag   120

tattgagaac tctgtttggt tatgattatc aggcaagcaa aggatgttgt taaaggtata   180

aagaagcgga ttggaagtaa aaattcaaaa gttcaacttc ttgcactaac tgtaagcaag   240

agtgttgtaa tacaaccttt tttctcttaa actctgttga tggcattgat ctaaattctt   300

7479

tttgtatcta agcatgtttg cttcaattgc accattttga ccttctaaac tttacattct   360

tgactgatt   369

<210>   17845
<211>   424
<212>   DNA
<213>   Glycine max

<400>   17845

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taaatatttt aaggatataa aaaataaaat ataaaaagct ataaaaatta gaagttgacg   120

ttttaaaaga cattacttta tgtagatttt aaaaaacatt agaaactact aaaaaacgtt   180

aaaaactact taaaaatatt tgtttatgaa caatcaaata aatttttggg ttagtaaaga   240

aaagtagaaa ctagttatac acataaacaa attaaagaat tcaatttgaa ttgtaagcat   300

agaaatttac ataagtgaag gctcacctcc aaaagcagtg ctatagcatg caacggcaca   360

agtctgaatt atggtattct cctgtctagt gaaaggttct gacacaacat tagctttctc   420

aaga   424

<210>   17846
<211>   374
<212>   DNA
<213>   Glycine max

<400>   17846

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tttttcccgt tatactttat ggaaatcaag tggtgtagca atgtacttgt ttttgcctta   120

tcgctttttt caaagcattt ctctagttta tcaaggaaat ccttagcatt ggtgatccct   180

tcggtcattg caccccttaa ggattttgga atgccacact acaatcttgg tttttatatt   240

ttgttgaaca aatggtctca gttatcttaa gaaggggggg ttgaattaag ataacaagaa   300

ttattcccca attaaaattt cactctctct ttttggatta acaatgcacc ttcaacatga   360

attactcata agac   374

<210>   17847
<211>   413
<212>   DNA

<400>   17847

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gttgtttatg cttcaaagca tgtttgattt ttgtgggttg gtggaatttg gtgttgggtt   120

tcctttagag tccttgcccc ttgtatgctt ttgatttggg aattcttgat gaaatcttgt   180

atatgtttaa ttgatggttg atttatgttt ttttggactt gtgttgagta ttgggatggt   240

tttgaatcat ttgtgagtgt ttggagaggt agagagtaat gaagatacgt ttgggtttgc   300

gagaaccttg aaattgcgag ttatacagtt tgtagactca ttgggtgaga caagcttgtc   360

gtgtattagt gaatttttta gagcattact cactaggtga gcctaacctt gtt   413

<210>   17848
<211>   310
<212>   DNA
<213>   Glycine max

<400>   17848

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tgtttttttg tcttttgaac atttgcttgg acttgcctta tcttagaagg tgtgctgtct   120

atacaagttt ggtcattctt ttgatatctg cccaccccat cattatcttg ggaatagcga   180

tcttatttgt ctttcttaga accctagttg tctttataac tctggccagg ggctatatta   240

tttcttatct tattatgctt gtgggtatca ctaccttggt tctccttagg acccatgatg   300

cgattagaac   310

<210>   17849
<211>   434
<212>   DNA
<213>   Glycine max

<400>   17849

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aatgataaaa ctgcataatt aatttgacaa ttaaggctaa tcagtaatta aaatgctgac   120

aaaaagggtt aagatatagg ataaaatgat gacacatcaa atcccctcac acttagcctt   180

ttgcactcct gtgcaaaatt aaataataaa aaaacaaagc aaggaacaat tccagagaca   240

ttaaagagaa acaaacagac gctaaaacaa ttacatattt ctcaatgaat ctcaaggaat   300

gaaaagaatg ggtaacatcc aacacataaa gagttaaaga atcaaggccg tcatgaaaat   360

cattcaagca tttcaaacat ggcaagatag tcaatcaact catcattgaa aagtgataat   420

agcctcacaa gata   434

<210>   17850
<211>   370
<212>   DNA
<213>   Glycine max

<400>   17850

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gctttaagag taacgtccca ctggtaaaac taactttcca aatgtttgcc ttcgcaggaa   120

tggccccgag gaagcttgcc tcaaagaggt ccaggaagga caaggcggcc gaaggaacta   180

gttccgcccc ggagtacgac agtcaccgct ttaggagcgt tgtacaccag cagcgcttcg   240

aagccatcaa gggatggtcg tttctccggg agcgacgcgt ccagcttatg gacgacgagt   300

atactgattt ccaggaggaa atatggcgcc ggcggtgggc accactggtt actcccatgg   360

ccaagttgat   370

<210>   17851
<211>   415
<212>   DNA
<213>   Glycine max

<400>   17851

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acagacagct aaaaacaatg tttatacgga taaccactca ggttatttcg cccgtcagca   120

gtgactaaca tgtcaatatg acaaaacttg tgagcgcgga agatgacgca aatctccgcg   180

tgtcacacgg cttgtcggcc gcgattgacg aaggacgtac aagacgtcgt tagtctctgc   240

gtgctatcag gctttacgtc ttactgacac caaaaaagaa tgtttatacg gataaccact   300

cgggtatttc cgcccgttaa cgtgactcat atgtcactat gacagatctt gtgagcgcgg   360

aaaatgacgt acatctatgc gtgtcaacgg gcttgtcggc cgcagattga cgaat   415

<210>   17852

<211>   381
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17852

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tggtgatttt ccaccatgga gatgcagcgg aagacaaagg agaagaggta agaggcggtg   120

ccatccacta gggaataagc catggaagaa ggagcttcac caccaagatg agccttggat   180

aagaagcttg gagaggatgc ttcaatggag gaaaagaaag agggagagaa agaaagaggg   240

gggcgcacga aattgaagga ataaaagagg gagagaagtg gaactttgaa gtatgtctca   300

caagactctc attcatcaaa gttacaacta gtgttacaca tgcttctatt tatagactan   360

gtagcttcct tgagaagctt t   381

<210>   17853
<211>   383 .
<212>   DNA
<213>   Glycine max

<400>   17853

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ccaaaataca tgaaaataca atgggaaact tccttgagaa gcaaggaagg tagcttcctt   120

gggaaaaaaa ggaagaaagc ttctttgaga agctagaggg gggcgactga ttgaggccgt   180

acccgaatca aataaacatt aaaaatgcag tatctaagaa gtgatcctag gtcgtctccc   240

aatgagcaat ggtcaagcaa cgtttataat agatagtgat aaaacagtaa cgaatggggg   300

ggggtgtttg ttcttgtaat tcacacatca tgcatattct agtagaacat ttctgaatcc   360

taacatgttg ttgccccttg att   383

<210>   17854
<211>   381
<212>   DNA
<213>   Glycine max

<400>   17854

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ctttgttctg attccaagct ggtatgccaa tgctgaggac ataaagcgac tctgcaatat   120

ttgaagccca tcttccaccc atctttacaa caattttagt gctccaattc tattcttatg 180

tatgttataa attagacaat gattccacca acaaactagt ttcggtatat ataaaagctt 240

aacttctatt acaagaatct atttagaata caatattcca tcttttctct catttggata 300

taaatttaac tataagaaat atgttcccgg tattagtggt ttgcttagct tcactttgca 360

accttcatct agttagtaat g 381

<210>   17855
<211>   435
<212>   DNA
<213>   Glycine max

<400>   17855

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aaacaagtaa cttgaaaaac aagacaactt gtatgtttgc aaaccaaatt ttctctttcc 120

aaatatgata ccaacttctc ttattagaat gagaatgggc agaaccaagg gttgtgttta 180

tgcagcaaat agaaacaccc ttgaataagt ttttggcaaa caagtcttga aaaccaatta 240

agttttagtt tctcaaggag aatgatctca ccaaaaagtt ttcaaaacct tttctttttg 300

gaccaaaaac aagctatatg aatatgcact ttcaaacata agttaaaaat accatattca 360

aatacaagct aataaaaaaa atataacaat gagagaagca tcacatttat caaaaaatga 420

actatattct gagca 435

<210>   17856
<211>   382
<212>   DNA
<213>   Glycine max

<400>   17856

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ttagatgtca atatatatat aaaaaatcaa tctccttaat ttataatgtt ttttgtaaaa 120

tctcaattta aataaacaat aacggttgga ttaaaattaa tagttaggat aaatttaac 180

aaaagtcact gtattaattg tacagtttta ctttccatat tttttaggtt acattaaagc 240

atccgggagt tacaagctct actcatatat aaaattgaat tgatcttgca aaggagaaat 300

agtggtatcc gtaactgtga taataattac aatttaaatt ttaattcaat taagcacaaa 360

aatagttaca ggatggtcgt ag

<210> 17857
<211> 411
<212> DNA
<213> Glycine max

<400> 17857

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gtgcaaagtt gatgagcttt tgctctaatt aacttctgaa aatgatcgtg aattttctcc 120

cacacttgaa acacatgaat ggaccctagt acacacgata aaattgagct acaaagagat 180

gattgaagcc acgtgaggag catttaatct tgtatctccc atgcaatgta cgcaggattc 240

atggtgcttg aatcctgatc agcttcattt gcatatctga gaggaatgtt tggatacact 300

agatatctgt gtaattgatg cgctttgatc actggtacgt gttgcctcca cagcaagaag 360

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<210> 17858
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17858

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tcacctaaca aaataactta cataaaatat gtgatcttcc aaaaccatct aacaaaataa 180

cttacaaaaa aaattgatat cccagaaatt atcaaacccca cgaaagcaaa aacgaaagct 240

actgcaacag ccaaaacaac tgataaaaaa tggtgaatga gggctgtatt taaagaccct 300

aaaacgccaa caccatttgc gcttcctccc tgctcctggt ctgccaaagc tgttgtgctn 360

gctgcaaacc t 371

<210> 17859
<211> 418
<212> DNA
<213> Glycine max

<400>   17859

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acagcctctt caaggcggtt tagggtggct atagtgagtg ggtatggtgg aaggtaaggg   120

ttctggtagg tagaggcagc catgggcggc aggtcgaacc aattgttatg agcagagggg   180

agggagaaaa ctacacttct tggtttcgag gaccaaggcc tcctttgaaa gcaaagtatc   240

gaaaattctt ctctgcctta ttcattcttt cacattgctt ttatacacaa ttgtacatgt   300

acaactgaat gataattgtt acaactgaat ggtaactata ttaacagaat aataactgct   360

ctaagtatgt gatactattc ttatgataga cttccatggc agagctttgt cataacta   418

<210>   17860
<211>   373
<212>   DNA
<213>   Glycine max

<400>   17860

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gggcaaagga aactcattta tttgttgcag agagagaaag aaaaggtttt tgcaaccctt   120

ttaatcatat ttgattcatt tttgacattt aagcttctgg tgtttttctt ctgataaaca   180

tcaacttgta aggccaagtt aaatgattta ataataaaa tcgatgataa tatgtataga   240

gacactgaat ggataaactg ctatacatta gaattactat gcagtgtttc tgtgacaaat   300

tgctagaagc atatcattta ttaattgagt aaccaagcat atgtactata atatatatta   360

aacttgtgtt ttt   373

<210>   17861
<211>   433
<212>   DNA
<213>   Glycine max

<400>   17861

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ggagagggga agaaggagca cgaaattttg tgcctcaaaa gaggtttgaa ctttgaattt   120

taattttcaa atgattaaag ttcaaaaaaa ggtacacaca tgacctctat ttatagccta   180

agtgtcacac aaaattcgag ggatatttga attttacttg gatttgaaat taaatttgtt   240

gagccaaatt ttggaaccaa aatttcacta attatgatta gtgaatttta gttatggttc   300

agtccactaa tccaagatca agtccaagat tttccactaa gtgtgcttag gtgtcatgag   360

gcatgtaaag catgaaggac atgcacatag tgtgactata tgatgtggca atggggtgta   420

gcaagcaaat gtt   433

<210>   17862
<211>   376
<212>   DNA
<213>   Glycine max

<400>   17862

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gaagcatgtg taacacttgt tgtaactttg atgaatgaaa gttttatgag atacacttca   120

aagttccact tctttccctc ttttattcct tcaatttcgt gctcccccct tctctctttc   180

ttttcctcca ttaaagcatc ctcttcaagc ttcttatcca aggcaattct tggtggtgaa   240

gctccttctt ccttggctta ttccctagtg gatggtgcct cccctatcct cttctccttt   300

gccttccgct gcatctccat gatgaaaaat caccattgaa ggacctcatt gaagatcata   360

gatccatcct ccatag   376

<210>   17863
<211>   426
<212>   DNA
<213>   Glycine max

<400>   17863

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agaatagcca ttccttggat tataaggttg aaccaagctc atgcttttac aaaaaggttc   120

atcaagtcaa gttgaaatat ggaagtaacc gtcttgcaaa attggggcaa aagattaatc   180

gagtcacatc actgcttcat ctactgccaa acatatttag gattattgat gtccttgtta   240

cttccaattt caccttgaca aagatgtcat ggaccatgtt gaaaatctaa attgattcaa   300

ccccatatct tgcgtaaaaa ttcgcaatac ttcaattgta catcattcgc atgcatccat   360

gcatttcatt ggttgcattg ctcgttgcat tctttccttg aaaaataaaa ttaaaatgaa   420

cttaat   426

<210> 17864
<211> 381
<212> DNA
<213> Glycine max

<400> 17864

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gaatgtatgt atacatgatt ttgatgatgt caaaagaaga atcaaacaag gctcattttg   120

cttaaagatt aatacaagat tgtttcaaca aacaaagcct tgattcaaga tttcttcaag   180

atcaagcctt gcctcacaat gaaaggtttc aagtcattca aggcacatgt aatcgaatac   240

caatacatgt aatcgattac caatggtttg aaagtgtgta atcgattacc agagactcta   300

aacgttggga attcaaattt taaatgaagg gtcacaactg ttcaagaaaa acaattgtgt   360

aatcgattac actaattatg g                                             381
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<210> 17865
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17865

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actcaggcca cttttaagga ggcaccacat caacgtggct gcaccagaag agcctccata   120

taagaatttt tcacaatttc tagtgcttga aaagatgttt ccaatgactc ttccgcagct   180

tccacatagg gtataaaaga tggacatctc actagtatat cttcttcgct caatacgata   240

atcagctgac cctccaccac aaacttcaat ttctggtgca acattgatgg gaccacacca   300

acagaatgga tccaaggccg acctaacaag aaactgtaag cggtgtttat gtccatcact   360

nggaaagtta tttggcacat gtatggccca atttgaatcg ggagatcaat ctctcctctc   420

acgtca                                                              426
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<210> 17866
<211> 379
<212> DNA
<213> Glycine max

<400> 17866

agcttgtgag ttgtcacccc acttttttccc tattcgatga agtcttcatt cttgtgggtt   60

tttctttaac attatttcat tgtgtcattt gtttgtttaa taaggataca catagacaaa   120

accaaaatta attatcacaa tccatcctta gatcatgatt gacgcataaa ctatgattca   180

cttagcttga ctagcttgtt agaccctcat tatcaacata tatgaatact ttatctaaga   240

atcaaacagt tcatacataa taatcttcat aattttttaa aacattgtag ttatataatt   300

agcattagca catttacatg gtaaaatcac caacaactaa aaatacatag atcgtctcta   360

tctttatctt tattcatat   379

<210>   17867
<211>   414
<212>   DNA
<213>   Glycine max

<400>   17867

tctagatcta tttcattcca gtgtgaattc accgatggtc ttacatgcct atcaattttt   60

atttggttag tcttcgaacc acatcatact ttgagagagg tatgctctga tacccacaaa   120

cctactcaca cataatgtct ggttgctttt aggattgttg gttgttccca taaattaata   180

taagactttt tggtatgttt tgtccacact tactaaaaaa acttctcaga aggtcaccca   240

tcccataatt actttaagct aaccatgttt gactatagag ttcttaagtg atggattacc   300

gaaaaatata ttcatctcgt tagtataggt aatactaatt aatttctaag ttatcctcaa   360

ttgtgcagtt tcatacttac accatcttta gatctctctt attctgaggt gcat   414

<210>   17868
<211>   200
<212>   DNA
<213>   Glycine max

<400>   17868

aagtgcgccc aggaaactca tttatcttgt tgccagagag aaagataagg cttttgccgc   60

ccttttcatc atatatgatt cattttttgac atttaagctt ctggagattt tcttctgaga   120

accttcaact tgtaaggctc agtgaaatga tttaaataat agaatccctg atattatgtt   180

tatagacact gaatggataa   200

<210> 17869
<211> 338
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17869

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naatgaacaa ggaanaacac ttgacttgtt tatatgttaa atcctatnct tgagaaagct    60

ccttgagggt ggaggatatc atgcactaat tgaaaatttt ctccagaata ggatgattga   120

tggctgtaag ttttatgaga gaaagacatt acaatgactc tattgttaca agggatgctc   180

atcaaaaggg gaaagaatag gaaatgatct ctgcatccca aagtatgttt ctaacacccg   240

atttcgcacc tacactcttc ttttttaaca gaacatatta catcacccat gtttgaaata   300

tatttgctta acaaatacgt catagagaca taaattat                           338
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<210> 17870
<211> 375
<212> DNA
<213> Glycine max

<400> 17870

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tagctttatg catatggaat caaaatataa caaatgacat gtatctcatg tcaaaaaatt    60

ttttacactt cttcttaaga atttcctatt gacaatttaa ggtaatatta tccattacga   120

aattctccat tgagtcagtt caatggtcac attcatatgc acataattta tatatgtaaa   180

ttaataaatg agatctatta atgttcattc aatgaatact atcacatatg tcaatctatc   240

caaattatta atgtcatatt cataataatc ttaggatcaa gaacaattaa aattaaaatt   300

atgagagact tttttctcat tttcataatc tctattatga taacaaatct ttaattttaa   360

tcaaggacct tatca                                                    375
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<210> 17871
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 17871

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aatgaggcta aagattctgg gctcatgaca atanaatccg gtggagaaca atccatctgg    60

gccttatttg tcacaagata gtgacatgga gtggatggta aatatttgtc acaacaaagg   120
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agctttatct caacctaatt tgttgcagca ctctatattt atatattaca attattcatg 180

tttggcattt gcatgtaggt ccctgcaact attgttccac caatagcaag gaataagcta 240

accataacaa gagccaaaca aaggaaggtt gctgataaag atgatgcagt ataaagaaaa 300

ttgaagacca atttttgtt gcattatgaa agttgctgag ttagaaggtt gctgatgaag 360

acaaccgaag aagcatttt ttgttgcatt atgatattaa gatatgcagt tgta 414

<210>   17872
<211>   333
<212>   DNA
<213>   Glycine max

<400>   17872

agcttgatga ttattcagtg gagatacgac tgggctatgg agatggatct ttgaccgaca 60

caaacatgat gaccatggtc atgcaggcaa gctctaaaac cacctcaata acaactagag 120

ccaactagaa ccaattctaa ggaacaacta tctataaaga caagtcttga ctatcgatta 180

acgttaatat gtacgagatg atatcttagg atctaaagct acacaactct catctcgatt 240

gaggaaccca gacttattga tgatgctatg gctgatgaga ataagcatg atccgtgctt 300

gacgaactat gacaactcat gaagaatgat gta 333

<210>   17873
<211>   429
<212>   DNA
<213>   Glycine max

<400>   17873

tcatgatatg ccttatggcg ttcaatattc tgcgcgttat ttatgaccat atatgtgtaa 60

tatacatcgc agtgcaaata atcaatgaat atttgagtag ctgatgcata tcataatggt 120

cactgcccat ctaatacctt ctctgcttat taattaccat aaagtatacc tcttgcataa 180

gaactcctga actcagacca tatgtgataa ccttgtgcta ctttgatact gaatcatcat 240

cgtatgatgt atacccctaca taagactcta tagactgtct tgaacattca tcttgactat 300

ctttaccacc tcagccttga atgaagctat gactaacatg tgatcctta gcatcatcat 360

atcattccgc ttgatcctta gactactgcc ccaatccctc aatcctagcg actatacaca 420

tacctattg 429

<210> 17874
<211> 375
<212> DNA
<213> Glycine max

<400> 17874

agcttcacct tttggtcctc ctcatagttg ttgcatgaga aaacatgctc tattttcatc 60

tcccactcca tgtaggcctc cggatcattc tttcctttaa agggaggaat gttgagttta 120

ataccatcaa ttcgattttg tctaggaaca ccatcattcc ctcttctcct cctttcttct 180

tcattatgat ctctattctt catttgatcc aacctctcat agagcgcatc atcttgttgt 240

ttcattaacc tctccaaata ttgcatcaaa gcttgcattt ggaattgcga agccccact 300

ccatcattag gattagtacc tgacatctca aacaaacaaa tcaaacgtaa caagacaatt 360

atagttgttg tctga 375

<210> 17875
<211> 433
<212> DNA
<213> Glycine max

<400> 17875

tcctcggggc catttcctgc gaaggcaaaa atttggaaag ttagttttac cagtgggaca 60

ctactcttaa aacaaaaatg gcatacaacc tcctcccata aatacaaaca tcaatgtaaa 120

tttagagcaa gcttatgcgc atatttcctt acgaacgttc acttgcacaa gacatcctat 180

caactaagaa aaatgcaccc atatacaatc aaggtagctt cattacctag attatttaca 240

tgtacttcct aggtgtattt gttatttaca tcacacacgc ctccttggct gaatttacat 300

acatacatac tcaaagcatt ttggggtacc aaaaattgca catgcgccca tcttggtatt 360

tctaataccc atacatatac aaacttcacg atgaatcttg actacctaca caataaggtg 420

ctacatttca tgc 433

<210> 17876
<211> 379
<212> DNA
<213> Glycine max

<400> 17876

agcttgctca taaccgtttg acatcttctt tcataccttt ccaaaataaa ttggaagtca   60

acctccgata tgtcctataa aaacccgaat gaccagcctg aggagtagaa tgaaattcct   120

ctagtaactt ctgaatccaa ggagatttct catgcaccac caacctccct ttataaagca   180

gcactccctg attataggag aaaccggtat gggcctcttt atcctgtcgc aaatcacaaa   240

taaccttttt ccagtgggta tcttgctgca cctcatgagt caactgctgc caatctaacc   300

actcaagata agagatcata ttagtcaatt cggcgtcctc caaactcctt gacagggcat   360

cagctccttt attctcgtt   379

<210>   17877
<211>   433
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17877

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agttgattat cacaagtcaa attgaaaagt tgcaccatta caatgccata ctatttaacc   120

acaaagagg atttaataga aagtcacact aactgtaact tacaccacgc ctacttaaga   180

cactaagtat aaacattgca tgaaatatac atgcattcag tgtaaaacta aaacctcgtg   240

gttgaatgat cttgctacat taaaacatca gttgattttt ttatcataca atagtgatgt   300

tttaattcaa tgggcaacaa taaactctta cactatcaat acaatattgc acatagtaat   360

taacaaacac atgtagtctt aaactaaaac caagtaaata aaccatatct aaagaactca   420

tgttgcaagc taa   433

<210>   17878
<211>   380
<212>   DNA
<213>   Glycine max

<400>   17878

agctttttctt ttagcaaagc aaaggcttgc tcttgttttt caccccaggt aaatgccaca   60

ttcttcttca ctagctcatt gagaggtgat gcaattgtag agaaattagg aacgaacctt   120

ctatagaagc ttgccaaccc atggaagctc ctaatatctc tcacactttt tagggtgggc   180

7493

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cattcttgga tggccttgat tttctcaggg tccacttgga ccccatttct accaactaca   240

aaccctaaga aaaatatatt atctacacaa aaagtacact tctctatatt tgcatatagg   300

gtatttttcc taaggactga aagaacttgc ctgagatgtc ctaagtgatc atctaggctc   360

ctactataca ctaaaatatc                                              380


<210>        17879
<211>        432
<212>        DNA
<213>        Glycine max

<400>        17879

gtgagaattt cccaaactct cttttcattt ctgatttaag gcttaaatag gtggccttgt    60

tggtgcctgc ccgcttagcg caaatatggg ccgcttagcg tacataagtg aatttcggct   120

tagcgctcgt attctcgctt agcagatgca tgcaagcagt gtgtttagcg ggatgagccc   180

tcacttagca cgtgtgtcca gctcatcctt cttccatatt cttcctcgcg ctcagccgca   240

agaggggtgt gctcagcgga tggctcgcta agccgacaga ttggcttagc gagaagctaa   300

aaattagcac ttcacaaact tgcctaatta tcctgaaatt gaaaggaaat gattattaaa   360

tacacaaaat aggagtatta agtacttatt acctatattt aacaaagagt aattacaaca   420

ctacaaaatg ac                                                      432


<210>        17880
<211>        383
<212>        DNA
<213>        Glycine max

<400>        17880

agcttatgct gcaaatattt acaatagacc tcctcaacct cagcagcaaa atcaaccaca    60

gcagaacaat tatgaccttt ccagcaacag atacaaccct ggatggagga atcaccctaa   120

cctcagatgg tctagccctc agcaacaaca gcagcctgct ccttccttcc aaaatgctgc   180

tggcccaagc agaccataca ttcctccacc aatccaacaa cagcaacaac cccagaaaca   240

gccaacagtt gaggcccctc cacaaccttc cctcgaagaa cttgtgaggc aaatgactat   300

gcagaacatg cagtttcagc aagagaccag agcctccatt cagagcttaa ccaatcagat   360

gggacaattg gctacccaat tga                                          383
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<210>   17881
<211>   428
<212>   DNA
<213>   Glycine max

<400>   17881

ttgacttgag tcatcaagag attatagaga tgtgaccgtg gcatgagttt caatgaatga   60

tctctcatgt atcatctatc tttcaatcta tctttcaata tctgctttca tctctttcaa   120

cagatctttc taaattattt ctcttcatgt ttctaagagt gtttgtcaac actttctctt   180

ccaagaaaag tttttggttc aaaaacttgt gctattcatc tttttcattc acttatccct   240

ttgccaaaag aaccaaggac taatcgcctg aattcttttg tgtctctctt ctcccttaca   300

aaagattcaa aggactaacc gcctaagaat tctttggatt cttcccttc ccttaagaca   360

aagatgacca atgactaacc gcctgagata tcttttggtt ccccttacaa agattcaaag   420

gactaact   428

<210>   17882
<211>   375
<212>   DNA
<213>   Glycine max

<400>   17882

tgtttaagtt ctctaaatac atgttcattg gacatagaag acaggggact tttgtatact   60

tttgcagaca aatggcataa ggaaactagt agcttccata tgctcataag agagatcagc   120

ataaccctca atgatgtggc atcagtatta catctaccca ttataggtgt tttccatacc   180

tatgatgcaa tagatgtaga ccagattgtg gagttgctag ttgagttgct tggagtgact   240

acacaaaaag aagtagatga gatacaacaa tgtaaagggg catgtgttcg ccttgcctgg   300

ctacaagaca tttaccgtac gatatgtctc acaaggcaat ggacactacc aactaaagca   360

tatttgttgc atatt   375

<210>   17883
<211>   429
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17883

ntgaatgctc tattcaatgg agtggacaag aatatcttca gactgatcaa cacatgtaca   60

gtggccaagg atgcttggga gatcctaaaa atcactcatg aaggaacctc caaagtgaag   120

atgtccagat tgcaactatt ggccacaaaa ttcgaaaatc tgaagatgaa ggaggaagaa   180

tgcattcatg acttccacat gaacattctt gaaattgcca atgcttgcac tgccttggga   240

gagaagatga cagatgaaaa gctggtgaga aagatcctca gatccttgcc taagagattt   300

gacatgaaag tcactgcaat agaggaggcc caagacattt gcaacatgag agtggatgaa   360

ctcattggtt cccttcaaac ctttgagcta tgactctcgg atagggctga naagaagagc   420

atgaatctg   429

<210>   17884
<211>   376
<212>   DNA
<213>   .Glycine max

<400>   17884

ttgtctttca agtttttaag ttcttcctca gaactgtcct aagcaaagtt cccaaagtcc   60

tattaacaac ttccgtttgc ccatctgttt gtgggtgaca agtggttgaa ataacaatt   120

tagtgcccaa cttgctccac aaagtcctcc aaaaatggct tatgaactta tagtccctat   180

cactaacaat gctccttggc aaaacatgga gtctcacaat ctccttgaaa aacaaatcag   240

ccacatggga agcatcatta actttttac atggaataaa atgagccatt ttatgaaacc   300

tatcaacaac cacaaaaatg gaatctctac cattgcttgt ttttggcagc cccataacaa   360

aatccatgga ttaatc   376

<210>   17885
<211>   428
<212>   DNA
<213>   Glycine max

<400>   17885

tgcattaata gcaacaaata cagagtaatt ggtgattatg aaaaactgat cagaattcaa   60

tagtaataac aaaacctcaa agagagttat gcttgatcct caagagaaaa caacgttgga   120

gacttagcct tccattaatc agttgaaaac aaaattgtag attgaagtag aaatgaaatt   180

gcagaaattg aaattttatt ctacgtgaac agtgtgcatg aacaataaaa actggaattc   240

taaaattcta gaattattct cctcttcgac aaactctctc taaaactaaa accttggtgc 300

tgttatatag gtcctcagcc ccaaagctta caaatctgtt ttaagtccaa gcccataaat 360

aaaataaaat ctggacaaga taagataaga ttggatgaaa taaaatctag atgaaataaa 420

atctggat 428

<210> 17886
<211> 371
<212> DNA
<213> Glycine max

<400> 17886

agctttatcc tttgacatta gcttattgtg cgttctgaaa cacacaacaa cctttattgt 60

gaaattgtaa aactctcatc cccttgattt tgtaaaacac gccaagtcct tctatagttg 120

cattattgtt tgagaaatct atgaaacaca ttattttttg catatttttt tattggtcaa 180

aatttattaa aaataatgaa attgattaaa tgtgatagtt ataattcaaa atataagata 240

gttatttaat ttttgttggt cattatttaa tctcattttt agttgagata aattagacaa 300

acacttttag aatagataac caggtgaatt taataatcca aggctgacta aaacggcctt 360

ccagtctcac g 371

<210> 17887
<211> 423
<212> DNA
<213> Glycine max

<400> 17887

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aaattggatg agggcaagtg tggtttcgaa aatctgcact ttatgcagaa ttttgctgtc 120

aaatatgtgc agcagaattt tgtatatgtg cagaaaaatg cttgtgtatg gctggtggtg 180

gaaagggtag tacatatggg gttctggata tttgctagca gatcccaacg gtcaaaatgt 240

agacttatgt aatagagact tccagtaaaa ttttcgagtc gatccaacgg ttaacgaatt 300

gtaacgaaga gaatgttatc ggggtattag agtgtgaaaa gctgtgatat tgatttgtgt 360

tttgagcaaa gtcttctgcc tctgctctgt aatcttggct gtgctagtgc atgatgcttg 420

tat 423

<210>   17888
<211>   379
<212>   DNA
<213>   Glycine max

<400>   17888

tttcttcttt atgaagcctc ttaatgaagc ttctagagaa agctacatgg agctgcctcg   60

gttaaaacga tgtccagcgt tttgtagccg ttggatcttc gcaaaatttg gtttgcaact   120

ccacaagaca cttttccatt atctgaccgt tgggatcttt gagaagatgt ctggagtgtg   180

ctataagtat cttaaagaag cttctggagg aagcctctta atgaaagctt ctagagaaaa   240

ctacatgaag ctgcctcggt agaaacgctt cccagccttc gttaaccgtt ggctcttctc   300

gaaatttggt ttgcaacttc acaagacact ttaccatgat ttagccgttg ggatctttga   360

                                                                     379
gaaaatatct ggagtgtgc

<210>   17889
<211>   415
<212>   DNA
<213>   Glycine max

<400>   17889

tcctcggagc catttcctac gagaacaaac atttagttgt tagttttaca agataatgct   60

tgtcttaacg caaaaaaatg tcatgctaat ccctccggtt tagaacgaac tcatgcgcac   120

gtttaaagta acacatttat gcacatgtgt atgtgtagaa tatcctacta ttcatatcaa   180

catagaggcc atccaacaca ttctaattgt catacatata tatgcatttg aaaagaacac   240

acattctcac gattaaggca ttgcgtcaaa atttacactt aactatgtcc tagacatttg   300

ctatcacaaa ctaccaacac acactcgaaa tatatatacc atacaaactt tcattgtttc   360

actcacactt atgcatattg gcaagatatt tacattatgc acatacttgc attca   415

<210>   17890
<211>   378
<212>   DNA
<213>   Glycine max

<400>   17890

tagctttgga caaacaaaac atgcaaacta gaaatgaaa tcaaaaacta aaaactgaaa   60

cataaatata aacctaaatt ataaaatgta ctaaaagtag aataataata aaagtgttca 120

aaagaaagga aaatagaagt cctgtcatgg gtcctgtggt gcagaagggg caaaatccat 180

ggctgtgaca tcatcctcat cctcaaagag ctccagcaca ggcgtgccta ctagtgatgc 240

ctatggggaa gacaactcca gcacaggtgt ggtcactggt gatggctgtg gagttgtctc 300

tggagtagcc tctgcagcgt cctcctgagt agttgggtca ggctctggga tctctacgtc 360

aacctctgga tcaacatt   378

<210>   17891
<211>   417
<212>   DNA
<213>   Glycine max

<400>   17891

gtgagcaaat tcaaacgaca ataacttttta actcggatgt ccgaataagt cccgtaatat   60

atcgagacgc tcgtaattga aaactgaagc tctgagcaaa ttcaaacgac attaacattt 120

gactcggatg tccgattgcg tcccgtagga tatcgagacg ctccaaattc aaaacggaag 180

ctttgagaaa aatctaacga taataacttt taactcggat gtctgatcga gccctgtaat 240

atatcaagat gctcgaaatt gaaaacggag gctctaagaa aagtcaaacg acaataactt 300

ttgacttgga tgtccgattg tgtcccgtag gatatcgaga tgctcgtaat tgaaaacgga 360

agctcggaga ataatcaaac gacaataact cgaaattctg ataccagggg acagatg   417

<210>   17892
<211>   398
<212>   DNA
<213>   Glycine max

<400>   17892

atagctctag aggcgagctg ccggctttct ctcttgaaat tgaacaacaa aagctgtcga   60

gatattcaaa atggtcataa cttttaactc ggaggtccga ttcaggcgca tcacatatat 120

atacgctcga gattgaacaa cataatctct cgacatatac atatagtggt aacttttaac 180

tcggaggtcc tatttatgca catcatatgt cgagacactc gaaatcgaac aatggaatct 240

cttgagctat tcaaatggtc ttaacttttg actcagaggt ccgatgcaag cgtgtaatat 300

atcgagacgc tcggaattgc gcaaccgaag ctactgtgaa ttgaaaatgg ccgttacttt 360

tcacttggag gtccgatata cgcgcataca tatttaga   398

<210>   17893
<211>   422
<212>   DNA
<213>   Glycine max

<400>   17893

tctagtcgtc catagacctc ctctgtggta ctgtctatca aacgtcgcat ctgtgcattc   60

atcgcatcca ctaacagacg ttgagcgccg tccaactgat ggtactcgtc accaccacca   120

cctgctccag ccataattca acaggaaaaa aaatgtgcaa taaaaattat taaggtttca   180

ggacctcaca acactctact cacgtctctt agatggtagt acactcgtgt ttaatgctct   240

caataggctt ttgtgtaatg tattccctct tgccttttac cactcgtgtt tcctcttaag   300

ttcctggatg gaccaaatta gacacacaag gtaatataaa ataaaaggaa agacaatata   360

atgatcacaa acagatttga tttgggataa caacttggac ttgatttgga tagtaatata   420

tt   422

<210>   17894
<211>   377
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<400>   17894

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aactaaagat gaccaggagc aggttcatta acagtgatag ttatgaaaag ctggaatgca   120

caagcattaa ctaacattag tgaaatggtc ataggaatat aaaactcatt tgtagacaaa   180

aagacattaa agaagaaaac atgaggaaac acccttcaac ctcagcctac acataaccat   240

gtccatgaca gtcccatttt caatctttaa ccatgtccat gagaaaactg catagttttc   300

aacaatgtac acttcatcta aaatattcat tggactatct tcagagagta tgtttcttan   360

atgaaaaagt catgata   377

<210>   17895
<211>   428
<212>   DNA

7500